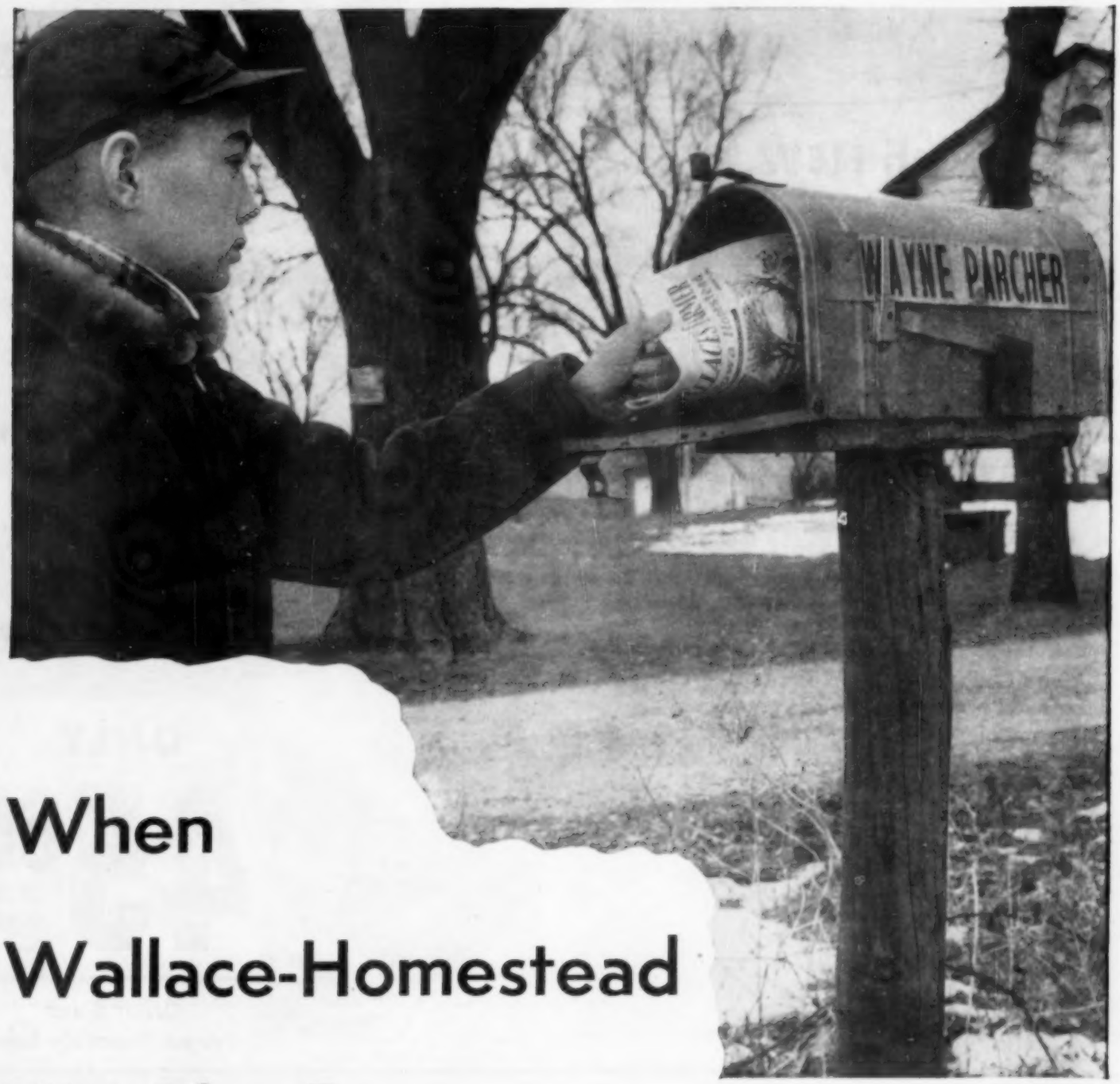
WALLACES' FARMER and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

FEBRUARY 5, 1955



When Wallace-Homestead Hits The Farm

Farrowing crates save pigs . . . 11

Fences that last 26

Cut dairy work by half 34

Egg law for Iowa? 70

RIGHT about now—as you're reading this—you have a lot of company. For farmers all across the western Corn Belt are sitting beside you.

Wallaces' Farmer and Iowa Homestead, this week, goes into more than 280,000 farmers' mailboxes. An additional 30,000 businessmen and retired farmers also get this farmer paper.

COVER picture shows Dick Parcher lifting a copy of Wallaces' Farmer and Iowa Homestead from his dad's mailbox in Floyd county, Iowa. What happens next? Pictures on page 71 answer that question.

SAVE MONEY AND GET MORE WORK DONE

with NEW

Firestone DEEP TREAD TRACTOR TIRES

NO OTHER tractor tire has so much to offer. First you save on your farm operating costs with a low price, and you save again by getting much more work done.

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Other Sizes Proportionately Low

SAVE on Truck Tire Costs With the New Firestone Transport B-112

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Exchange if your old tire is recappable
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The new heavy duty Firestone Transport B-112 is the longest-mileage, low-priced tire money can buy. It is built for all types of farm service.

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ALWAYS BUY TIRES BUILT BY FIRESTONE, ORIGINATOR OF THE FIRST PRACTICAL PNEUMATIC TRACTOR TIRE

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WALLACES' FARMER AND IOWA HOMESTEAD. February 5, 1955 (Vol. 80, No. 3). Published first and third Saturdays of each month by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, one year for one dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1955, by the James M. Pierce Corporation.

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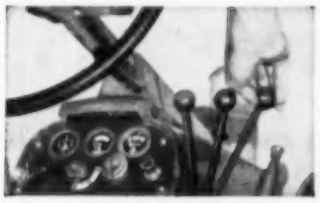
tractor gives you these great new *farm-easy* features

NEW FAST-HITCH
lets you hitch or switch implements *in seconds!* It allows instant control of every implement action for top quality work . . . makes possible simple, low-cost Fast-Hitch implements.

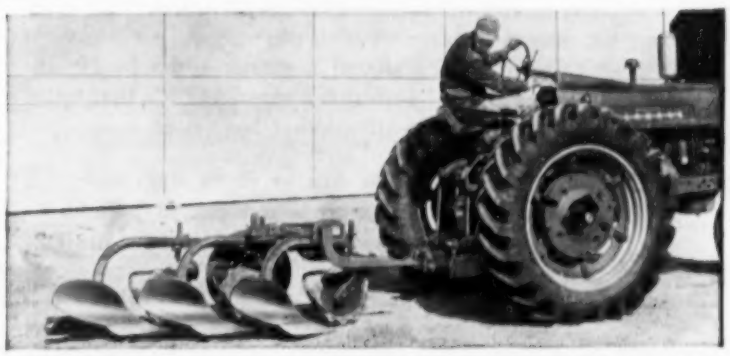
NEW TORQUE AMPLIFIER
lets you boost pull-power up to 45 percent . . . change travel speed *on-the-go!* Ten forward speeds . . . just the right speed for each job.



NEW HYDRA-TOUCH
gives you *two-way* hydraulic power for precision control of big-capacity equipment—both mounted and trailing. Control levers hold and return automatically.

. . . to put you acres ahead each day . . . dollars ahead each season!

Plow up to 10% more daily with Torque Amplifier! When the spring rush is on . . . when crop yields depend on timely seedbed preparation . . . Torque Amplifier takes you through tough spots *non-stop*—speeds your work with full power turns. It gives the new Farmall 300 and new Farmall 400 the greatest power punch 3- or 4-plow tractors ever had! The new McCormick No. 16 heavy duty plow has 2-foot point-to-beam clearance for exceptional trash clearance in deep plowing. It comes in 3, 4, 4 convertible to 3, and 5 convertible to 4-furrow sizes.



Make world's fastest job switch with Fast-Hitch! Just drive away from one implement—*back . . . click! . . . and go* with another! You stay in the tractor seat . . . save your back . . . gain extra rounds every day of the busy spring season. Many implements, like this Fast-Hitch plow, are interchangeable on the new Farmall 300 and 400 tractors.

Try Hydra-Touch . . . operate up to three double-acting hydraulic cylinders—one at a time or all together—for most useful hydraulic implement control in the big tractor field. "Live" hydraulic power lifts this Fast-Hitch tandem disk harrow for quick turns, speedy transport.

Ask about completely independent power take-off and other new Farmall tractor features! Get proof from your IH dealer that *you'll be ahead* with a Farmall that gives you all that's new, plus unsurpassed durability and economy. Pick your new Farmall tractor from 5 sizes . . . 16 models! A *full* line of McCormick equipment will keep it busy.

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☐ Farmall 400 (4-plow) ☐ Farmall 300 (3-plow)
☐ Farmall 200 (2-plow) ☐ Farmall 100 (1-2-plow)
☐ Farmall Cub® (1-plow)

Name _____ ☐ Student
Address _____
Post Office _____ State _____
I farm _____ acres. Principal crops _____
My IH dealer is _____

Hogs and Cattle

BY WALTER J. LEEDS

Pig News Travels Fast

I SEE by the December Pig Crop Report that our spring pig crop will be one of the biggest in history . . .

With a bumper crop of pigs in prospect, it will pay to market your spring pigs early—before the big rush to the market begins.

And the best way to get pigs headed toward the early market is to give them a fast, early start.

There is one particular way I know of to get pigs started fast. It seems to have caught on like wildfire in Iowa last year. More than 3,000,000 baby pigs have already been started on this program, and the way good news travels, it looks like a whole lot more will go on the plan this spring.

This whole plan centers around a master creep feed with the natural taste appeal of 50% rolled oats. And it's that taste appeal that first attracts the attention of hog raisers.

The way baby pigs—just five to seven days old—go for that rolled oats flavor is a sight to behold. A lot of mighty good hog raisers didn't believe it until they saw it.

But in just about every community in Iowa there were farmers who decided to try out this new creep feed. When they saw how their baby pigs took to it early—and the way they packed on weight fast—it was just plain human nature that they'd tell their neighbors. Their neighbors came and looked, then went home and started their own pigs on this same plan.

Well sir, that's the way the good news spread all through Iowa. And it looks like Creep-20 (that's the name Nutrena folks gave this "creep feed miracle") has become the most talked about creep feed in the nation's Number One Hog State.

Of course, taste appeal is just the first sign of a good creep feed. The whole point of tastiness is to get baby pigs eating early—so they can cram themselves with nutrition.

And that's just what Creep-20 does. Fact is, a good many Iowa farmers tell me that Creep-20 is so packed with nutrition their baby pigs are averaging 50 to 60 pounds at eight weeks!

Now, tremendous taste appeal and powerful nutrition are about all you'd expect of a really good pig starter. But you can expect more from Creep-20 . . . it actually fights infectious scours—and several other baby pig diseases—that waste feed and slow down growth.

Creep-20 gets this disease-fighting power from high-level antibiotics—that's five times more antibiotics than are needed just to stimulate growth.

So it's no wonder Creep-20 is getting to be the favorite creep feed in the Corn Belt. In fact, Nutrena is so sure your pigs will like Creep-20, they make this offer: Get a trial bag of Creep-20. Put it in front of your pigs about the fifth day after farrowing. If they don't eat Creep-20 more eagerly than any other dry feed, mail the empty bag to Nutrena for a full refund.

I'd say that was a pretty fair offer. So why don't you get a trial bag of Creep-20 from your Nutrena dealer and try it on your spring pigs this year. Find out for yourself why the Creep-20 story is the fastest traveling good news in Iowa these days. (Advertisement)

Heat lamps are helping Clyde Corey, Shelby county, Iowa, to keep 20 January litters warm. Bobbie Corey holds up one of the January pigs. This one is his.

INSIDE STUFF

LET THE BOYS—and girls—help around the barnyard and the house. That's one of the fine educational features of farm living. But watch out for dangerous machinery.

FARMERS NOWADAYS have equipment that takes strength, skill, and caution to operate. Your 12-year-old may want to run the tractor, but is he big enough and sure enough?

SOME IOWA farm people tell us that a boy shouldn't try to run a tractor until he is 14 at least. What do you think?

SEEN ANY COUGARS down by the creek lately? Some southern Missouri farmers claim cougars (you can also call them panthers, painters, or mountain lions) are coming back into the hill country.

EXTENSION, Farm Bureau and the Iowa legislature are working out plans for an amiable separation of extension and the Bureau. It will take more tax money, but should broaden the field for adult education in the country.

ABOUT ONE-THIRD of Iowa farmers aren't Farm Bureau members. With the Bureau-extension hook-up, it has been hard for extension workers to reach these non-members.

PROBLEM NOW is to reach the one-third who are non-members and not lose touch with the two-thirds who are Bureau members.

FORMER IOWAN, Dewey Termohlen, goes to Japan as agricultural attache. Termohlen, a Republican, came up thru the ranks of civil service under Democratic administrations, and is to take the job Wolf Ladejinsky lost.

REMEMBER LADEJINSKY? He was the expert in Japanese land reform who was called back to Washington and fired by Secretary Benson. Stassen hired him promptly for help in Indochina.

LADEJINSKY was cleared for security by Dulles and by Stassen, but not by Benson. Why? Nobody knows. The ruction may start a review of "security."

IT WILL BE harder and harder to hire good men for work in government so long as men with excellent records can be thrown out because somebody brings in unverified gossip against them.

THIS IS February 5. In two months, with luck, we'll be planting oats. Cold and snow outside, but spring really isn't so far away.

SPRING IS already here in the hog business on some farms. At least more spring pigs than usual are being farrowed.

—DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
"GOOD FARMING, CLEAR THINKING, RIGHT LIVING"
(Volume 80—Number 3)
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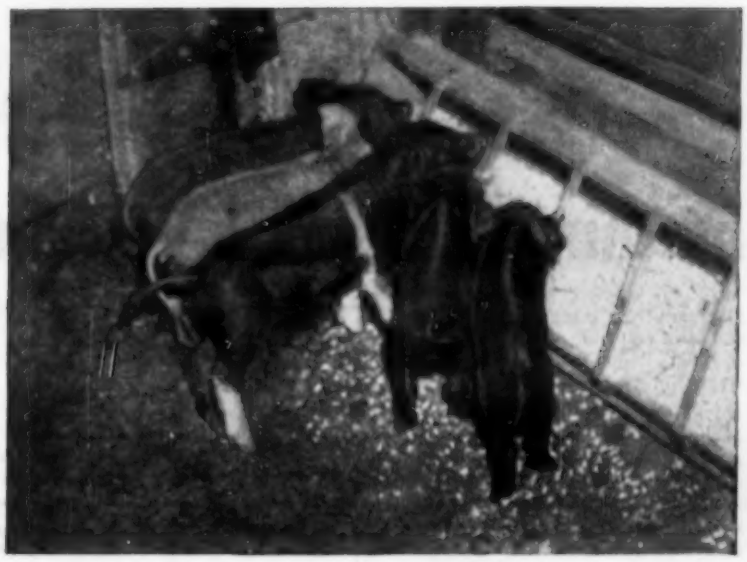
So tasty, baby pigs start

Eating away 5th to 7th day

New pigs love this natural rolled oats flavor



High levels of antibiotics for help in

Scours prevention

5 times more antibiotic than nutritional or growth levels

Goal: heavy uniform pigs at 8 weeks

This Spring, many hog raisers are enthusiastic about their chances for weaning heavy pigs in good, uniform litters. They're counting on a powerful creep feed to help turn the trick.

Baby pigs love this new creep feed. It tastes so good, many pigs start nibbling on these crunchy pellets at 5 to 7 days.

That's the best time to load nutritional and antibiotic growth power and protection into tiny pigs—early, when they'll do the most good.

The folks who manufacture antibiotics call this a "high-level" antibiotic feed. This simply means antibiotics are in the feed at the disease protection level. That's 5 times more than the nutritional or growth level.

So here's tremendous help for the prevention of infectious scours and several other dangerous baby pig diseases—as well as increased antibiotic growth power.

Of course, it takes far more than antibiotics and taste appeal to make a good creep feed. Baby pigs need a very special balance of proteins, vitamins and other body-building nutrients for fast growth.

These vital ingredients should be *tailored* to fit the antibiotic wallop in the feed. (It is believed that the antibiotic is simply the spark that sets-off the real nutrition in the baby pig's ration.)

And that's the third reason this creep feed is such a standout. *Tailored nutrition*—it's fitted to the "antibiotic spark" to go after remarkably fast gains. Imagine—powerful nutrition, plus scours protection, plus high taste appeal—all in one package.

That's the story behind this master creep feed called Creep-20, a product of Nutrena research. It's designed to be fed to tiny baby pigs from the end of their first week and build big, uniform porkers out of them by 8 weeks.

Results from actual farm use and tests at the Nutrena Research Center have proved the amazing heavy growth power of Creep-20.

Some pigs reported on weighed 40 pounds at 6 weeks. Others averaged 50 to 60 pounds at 8 weeks. And farmer after farmer reports no scours.

It should be pointed out again that getting all this growth power and disease protection into pigs *early* is one of the big reasons for such results. Creep-20's high taste appeal gets much of the credit.

Veteran hog men are often astonished at the way week-old pigs take to Creep-20. Even like it better than straight rolled oats, say many. (Creep-20 actually contains 50% rolled oats.)

You can prove this to your own satisfaction at no risk. Get a trial bag of Creep-20 from your Nutrena dealer. If your baby pigs don't eat Nutrena Creep-20 more eagerly than any other brand, return the empty bag to Nutrena for a full refund.

Why not try this powerful, protective feed for growing baby pigs? It should lay the groundwork for fast, low-cost gains clear to market.

This is the master creep feed that has already become the favorite among so many leading hog men. Read the story . . . get the trial offer. (Advertisement)

How to prevent machinery breakdowns this Summer

Here are 10 "stitches in time" that can save you money by keeping your equipment and machinery on the go when you need it most.

1. General Protection . . . Keep your machinery and equipment protected against wind and weather. Plows, disks, pickers and similar equipment in storage should always be protected with a coat of grease. Tractors, especially, need care.

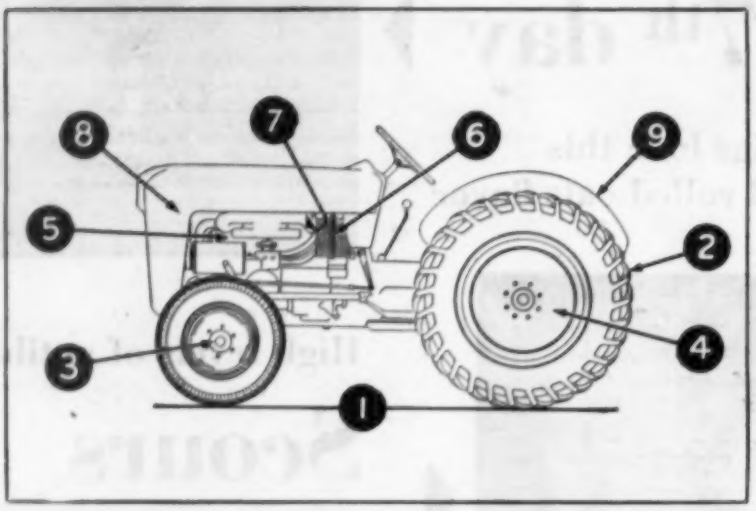
2. Tractor Tires . . . Keep properly inflated. Under-inflation breaks down side walls, over-inflation invites bruising, snagging and breaking. If you use water, add calcium chloride to protect against freezing weather.

3. Front Wheel Bearings . . . Wash and clean thoroughly with kerosene. Repack and adjust.

4. Brakes . . . Check for worn bands.

5. Compression . . . Check rings and valves; they often rob you of needed power.

6. Battery . . . Check for strength and water level.



7. Air Cleaner . . . Clean and service; fill with same weight oil used in crankcase. Clogged filters make engines wear faster.

8. Radiator, Fan . . . Check for leaks; tighten hose connections. Check fan belt; replace if worn.

9. Paint wherever needed. Clean surfaces thoroughly before painting to prevent under-surface rusting.

10. Give equipment all-weather protection—with Strongbarn

It pays to protect machinery . . . Recent University of Missouri studies* prove adequate shelter can lengthen the life of a tractor plow by 2 years, a combine by 4 years, a corn planter by 6 years, a wagon by 9 years, and a grain drill up to 10 extra years! Figuring the annual cost of a combine alone at $150, 4 years additional life is worth $600! Proper protection of valuable farm machinery does pay off.

Whether you build new storage or replace neglected, weatherworn frame buildings, Strongbarn gives you the strongest, most permanent farm buildings your money can buy. It costs as little or less than any competitive brand or gauge of comparable strength.

This 26 x 60 ft. machine shed gives you practical, low-cost protection—adds years of life to valuable machinery and equipment. Protects livestock, too.

*Univ. of Missouri Research Bulletin 107

LOOK AT THESE BENEFITS YOU GET FROM STRONGBARN:

1. LIGHTER! Strongbarn is actually 21 lbs. per square lighter than 26-gauge steel; easy to handle and place; puts less strain on framework.

2. STRONGER! Strongbarn is 56% stronger—by actual test—than ordinary grades of galvanized, corrugated steel roofing and siding.

3. SAVES MATERIALS! Because Strongbarn combines great strength with light weight, you space supports farther apart, save on cost of framework and labor.

4. HEAVIER PROTECTIVE ZINC COATING! Strongbarn is the first steel roofing and siding manufactured to 1.25 oz. ordered zinc coating as covered by ASTM specification A-361. This generous zinc coating, bonded to the sheet, is your guarantee of longer life and better service.

5. COSTS LESS! Strongbarn costs as little or less than competitive materials, less to erect and almost nothing to maintain.

See your nearest Strongbarn dealer!

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GALVANIZED CORRUGATED STEEL ROOFING and SIDING

Guaranteed 1.25 Oz. Ordered Zinc Coated (under ASTM specifications A-361) For Longer Building Life

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GRANITE CITY STEEL COMPANY
Granite City, Illinois

SEND FOR FREE STRONGBARN PLANS TODAY!

Building plans for versatile low-cost Strongbarn farm structures, prepared in conjunction with Doane Agricultural Service, Inc., and the University of Illinois, are yours absolutely free by mailing the handy coupon below. Send now! (If plans other than those listed below are desired, we will be happy to forward your request to a supplying agency.)

Please send me, without cost or obligation, the plans checked:

☐ 32 ft. x 52 ft. Barn ☐ Dairy Loafing Barn ☐ Pole-type or
☐ Machinery and Equipment Shed ☐ 40 ft. Barn ☐ Lumber

Name _____ (PLEASE PRINT)

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City and State _____

GRANITE CITY STEEL COMPANY
Dept. WF-1, Granite City, Illinois

QUIPS AND QUOTES

THE MAN WHO has talent for criticism will be unwise if he fails to use it on himself—Hartley Sentinel.

THE WAY some women drive an automobile tends to prove they like nothing better than a tight squeeze.—Decorah Public Opinion.

EVEN WITH THE amazing gadgets that help make driving automatic, it is necessary to turn when the road does.—Tabor Beacon.

ACCORDING TO well-established tradition, oysters produce pearls only after being thoroly irritated. It's too bad the same can't be said about people.—Grundy Register.

NO WOMAN IS as young as she appears in public or as old as she appears before breakfast.—Marathon Republic.

IT'S AN I for an I when two egotists get together.—Laurens Sun.

HE HAD A firm chin, but lately the firm had added a couple of partners.—Rockwell City Advocate.

MANY A MAN is always on his toes because his wife is always on his heels.—Davenport Times.

"A FRUSTRATED WOMAN is one who marries a man to reform him—and then finds he doesn't need it."—Denison Review.

WE HAVE HEARD it said that a lazy man is in better shape because he has fewer moving parts to wear out.—Humboldt Independent.

YOU MAY BE deceived if you trust too much, but you will live in torment if you do not trust enough. — Prairie City News.

AN INVESTMENT in knowledge pays the largest interest.—Bellevue Herald.

THE MAN WHO looks before he leaps often gives the other fellow a chance to get ahead of him. —Tama News-Herald.

"It wouldn't hurt you to shovel the snow off the walk."

Outside stuff

ROYAL HOLZ of Greene county, Iowa, figures he made a good investment this winter when he decided to handfeed an extra pound of high vitamin protein mix per day to his sows during the last 10 days before farrowing. The sows already were getting a complete self-fed ration containing the recommended amount of protein.

The extra vitamins and protein enable a sow to supply the high nutritional demands of a big litter, Holz reasons.

"It gets away from the stillborn pig problem," Holz says. "Sows milk better. And pigs do better."

• • •

NOTHING makes me madder at myself than to be stalled on a country road with an empty fuel tank. With highways lined with service stations, there's no excuse for it.

But that's what happened to me last month in Wright county, Iowa. Don Gaster got me going again with a gallon of gasoline—and some much-appreciated courtesy.

• • •

HAVE you tried crushed corncobs for baby pig bedding? "It's the best!" declares Donald Fritz of Greene county, Iowa. And I know some other good hog farmers who agree.

• • •

"OUR main business is raising boys," says Clarence Hill of Dallas county, Iowa. "Farming is an avenue of approach to that business," he adds. "And a very satisfactory avenue."

Hill has four sons and a daughter. And his statement struck me as a sound analysis of a successful family farm operation.

A crop of healthy, happy, well-adjusted, young citizens means more to most farmers than a profitable hog crop. Of course, it's nice to have both. And fortunately you don't have to forsake one of those goals to achieve the other. Main thing is to keep the most emphasis on the most important goal.—Dave Bryant.

"Please, Dad! Would Alvin have brought flowers if he came to call on your hogs?"

"Your Grandfather sold V-C® FERTILIZERS!"

V-C FERTILIZERS are known and trusted by this young man starting out in business.

Ever since he can remember, his father and grandfather have been selling V-C Fertilizers and more and more good farmers in his neighborhood have been buying and using these better fertilizers.

For 60 years, in many communities in many states, Virginia-Carolina Chemical Corporation has been making and holding friends . . . agents and dealers like John Smith & Son . . . and good farmers everywhere who try V-C Fertilizers and then keep on buying and using V-C Fertilizers.

More than 5,000 reliable dealers have been supplying their customers V-C Fertilizers continuously for at least 10 years. Many of these dealers have handled V-C Fertilizers for 30, 40 or 50 years and longer.

Such well-established loyalty among so many fine folks is a mighty sound endorsement for V-C Fertilizers. It means that year after year V-C practical farm experience, V-C scientific research and V-C manufacturing skill continue to provide better and better fertilizers for every crop on every soil. It also means that when you buy V-C Fertilizers, you are getting an honest and dependable product manufactured and sold by people who value your friendship and your confidence.

See your V-C agent or dealer today. He is a good man to know and do business with.

VC® FERTILIZERS
1895 1955
60th ANNIVERSARY

How you can hit real pay dirt* with the world's most popular spreader

YOU MAY BE AN EXCEPTION—but most farmers lose from ½ to ¾ of the profit possible from barnyard manure. Good management plus modern NEW IDEA equipment can easily double profits from manure.

There's No Mystery About It
Here's how to handle manure for top profits: (1) Capture the liquid portion with plenty of bedding and paved feedlots. (2) Spread manure as soon as possible after it is produced. Use equipment designed to really *spread*. (3) Put manure on fields growing your highest income crops.

Why New Idea Is First Choice
One of the main reasons why there are more NEW IDEA spreaders on farms today than any other make is their ability to spread thinly and uniformly. For highest value, manure should be spread thinly and frequently — 4 to 5 tons per acre.
Staggered U-shaped shredding teeth, rotating at high speed, tear up even the toughest, hardest-packed manure. Cleverly designed distributor paddles lay the finely shredded manure down in a wide, even pattern — a pattern which extends several feet beyond the width of the spreader.

You Have a Complete Choice
Because you have your choice of 4 spreader sizes at your NEW IDEA Dealer's, you needn't over or under-equip your manure handling operation. Pick the spreader to fit your farm from among the 65 bu., 75 bu., and 90 bu. ground-driven models, or the big 120 bu. PTO job.

***SWAP NOW during "Trade-In Days" at your New Idea Dealer's!**

He's making real deals on new, New Idea spreaders

Your old machine will never be worth more. Catch your New Idea dealer while he's in a trade-in mood. Hit pay dirt by saving money right now! Swap your way up to a *new, New Idea* spreader during *New Idea* Trade-In days!

NEW IDEA
FARM EQUIPMENT COMPANY
DIVISION AVCO DISTRIBUTING CORPORATION
Dept. 1462, Coldwater, Ohio

Behind The News

School lunch funds cut

Reduce appropriations to push consumption and to provide help for low-income farmers

APPROPRIATIONS for agriculture will be cut nearly a billion dollars in the next fiscal year. That's what President Eisenhower recommends.

This isn't as bad as it sounds. Most of the cut is based on hope. The president—and his budget director—hope that price supports, losses on exports, etc., will be a billion dollars less. That may or may not work out.

Other expenses for agriculture, the changes work out like this:

1. Cut in ACP payments from $250 million to $175 million. Since the present law limits ACP in 1955 to farmers who comply with acreage allotments, this estimate might be accurate. But congress is being asked to wipe out this limitation.
2. Research and regulatory activities go up $25 million.
3. Extension aid goes up $6.5 million.
4. REA is cut $15.2 million.
5. Altho some kind words were said for low-income farmers, the only agency helping them —FHA—was cut $6 million.

* * * *

What's happening to the school lunch program?

Another cut. The president says school lunch is getting so many surplus commodities, it doesn't need as much money. He asks a reduction of $15 million.

Last year, the president asked for a cut of $7.5 million, but congress wouldn't go along. This year the same thing will probably happen. Some dairy congressmen may try to push the appropriation higher than last year. After all, only one-third of the nation's children are covered now.

* * * *

Why did the senate agriculture committee approve James McConnell of New York as assistant secretary of agriculture?

This surprised many. McConnell has made speeches denouncing the New Deal farm program. He's talked about 20 years of socialism in farm affairs. Yet the senate committee made no effort to block confirmation. Why?

One reason is that Democrats and farm state Republicans have about decided that it is business to give Benson plenty of rope. They think he'll get into so much trouble that he can be thrown out later. And McConnell, by his speeches, can add to that trouble.

Another reason is that McConnell is an efficient operator. Even tho his influence on policy is bad—from the Corn Belt point of view—he does well the chores involved in handling stored grain. One Democratic senator said: "When I want to know something about USDA, I can ask McConnell and get a quick and accurate answer. Unlike some of these top level fellows, he knows what he is doing."

* * * *

What is Secretary Benson going to do about suggested changes in the farm program?

Oppose them. Benson thinks farmers will get along all right under present farm legislation. He expects 100 million head of cattle in the early 1960's but says there will be plenty of people to eat up the beef.

On hogs, he says: "Marketings will increase next spring and will depress prices moderately below the unusually high prices of last spring. But we do not expect hog prices next fall to be greatly different from those of last fall. Normal profits will continue for efficient hog producers."

* * * *

Dairymen are still complaining about the cut from 90 percent to 75 percent supports a year ago. What are prospects here?

It depends on whom you talk to. Congressman Johnson of Wisconsin, from a dairy district, wants to boost the special school milk appropriation from $50 million to $85 million. The Farmers Union wants a food stamp plan for food and clothing.

The Grange has other views on dairying. A report lists eight major sales barriers to expanding milk consumption.

These obstacles are: weak merchandising, excessively detailed and restrictive sanitary regulations, complacency, lack of industry coordination, restrictive labor practices in the processing and distribution of milk and its products, price control programs in some states, shortcoming in federal milk marketing orders and increasing consumer concern over fattening foods.

The Grange says the dairyman will be saved by increased consumption, particularly in fluid milk.

Secretary Benson hopes that production will level off, consumption increase and that dairy products prices will strengthen without the government doing anything more.

He has announced supports of $3.50 for manufacturing milk and 56.2 cents per pound for butterfat on a national basis. If you figure parity on the revised basis, this will bring milk supports to 80 percent and butter to 77.

Legally, Benson could have cut supports to 75 percent. He didn't do it, and dairy pressure may ease up on that account.

$32.47 Average Yearly NET GAIN Per Acre from ALL THREE FERTILIZER PROGRAM!

KENNETH E. GRAY, Sabula, Iowa

THE soundest way to put farm profits up where they belong is by getting increased acre yields throughout the rotation. This calls for using the right kind of fertilizer and enough of it to do a thorough job. For proof of this common-sense fact, consider the NET PROFIT increases obtained with the ALL-THREE Fertilizer program.

This program simply means using AGRICO Mixed Fertilizer or 18% NORMAL Superphosphate to feed each crop in the rotation and also using AA QUALITY Ground Phosphate Rock to build fertility and make up for phosphorus deficiency, a principal factor in holding down crop yields.

Beats "Cost-Price Squeeze"!

You'll see how well it pays from typical results summarized in the table. These farmers invested an average of $6.99 extra per acre per year in their ALL-THREE Program and got back an average of $39.46, for an average NET GAIN of $32.47 per acre. *There's no cost-price "squeeze" when you get extra returns like that!*

The profitable experience of Kenneth Gray, of Sabula, Iowa, is typical. Writes Mr. Gray:

"Seven years ago, my 160-acre farm in Jackson County, Iowa, was producing an average of 50 bu. of corn, 40 bu. oats and 4 tons alfalfa hay per acre. I decided this ALL-THREE idea made sense and put my present program into effect:

"I began contour farming and started a 6-year rotation plan;

"To build fertility and make up for phosphorus deficiency, which soil tests indicated was holding down yields and quality, I apply 1000 lbs. AA QUALITY Ground Phosphate Rock per acre on ground where I plant oats to alfalfa. This does a job throughout the rotation, for $2. an acre per year;

"When seeding oats, I apply 200 lbs. of AGRICO FOR GRAIN per acre;

"As soon as oats are removed, I topdress with barnyard manure, plus 400 lbs. 18% NORMAL Superphosphate per acre. This gives me 2 years of excellent alfalfa, usually 2 or 3 cuttings, with plenty of pasture. There's ample residual fertilizer for 2nd year alfalfa, and the Phosphate Rock is there to make up for any phosphorus deficiency that might otherwise develop;

"In the 4th year of the rotation, with corn following alfalfa, I use 250 lbs. AGRICO FOR CORN per acre in the row;

"The 5th year, oats are seeded to sweet clover and 200 lbs. AGRICO FOR GRAIN per acre is applied when the oats are seeded;

"As soon as the oats are harvested, I topdress with 500 lbs. 18% NORMAL Superphosphate per acre on the new seeding of sweet clover to be plowed under the following year for corn.

"This ALL-THREE fertilizer program has increased oat yields by 15 bu. per acre, alfalfa by 2½ tons per acre, and corn yields by 50 bu. per acre, to say nothing of additional pasture following my first two hay crops each year.

"This program is also a big help in giving me good, sound, well-matured corn.

$271. EXTRA per acre, 6-year Return

"As a result of all this, I have been able to increase crop income by an average of $271. per acre over a 6-year rotation, at an increased 6-year fertilizer cost of $47.85 per acre. *On a yearly basis, this averages out at $45.17 EXTRA income per acre, at an increased fertilizer cost of $7.97 per acre, which means an increase in NET INCOME of $37.20 per acre per year.*

"To put it another way, I get an average of $5.67 return from each $1. invested in AA QUALITY Ground Phosphate Rock, 18% NORMAL Superphosphate and AGRICO Fertilizers—and if this doesn't show that IT PAYS TO USE ALL THREE, I don't know what does!"

Try it on your farm—get ALL THREE this Spring and profit by higher yields and lower costs. We'll be glad to test your soil without cost or obligation and give you economical recommendations as to your fertilizer program. Drop us a line, or see your nearby Agrico or A.A.C. Dealer—"it'll pay you well!"

It Pays to Use "ALL THREE"

AGRICO
The Nation's Leading Fertilizer

18% NORMAL
The Low-Cost, High-Value Superphosphate

AA QUALITY
Ground Phosphate Rock

Order NOW from your nearby A.A.C. Dealer

Typical EXTRA Returns from "ALL THREE" Program

FARMER	Rotation	Increased Fertilizer Cost per Acre Per Year	Increased Crop Return per Acre Per Year	Net Gain per Acre Per Year
Harold C. Baughman, Bloomfield, Iowa	4-Year	$7.20	$34.83	$27.63
Robert Beam, Newton, Ill.	4-Year	6.58	49.35	42.77
L. W. Beiermann, Waggoner, Ill.	4-Year	6.53	41.25	34.72
Kenneth E. Gray, Sabula, Iowa	6-Year	7.97	45.17	37.20
Michael Lies, Wheaton, Ill.	3-Year	6.71	43.17	36.46
Keith R. McAllister, Mt. Union, Iowa	5-Year	9.01	33.92	24.91
Fred H. Miller, Waverly, Ill.	6-Year	5.85	37.87	32.02
Raymond Reed, Bayle City, Ill.	3-Year	5.85	46.17	40.32
Harry Simonsen, Mgr., Witwer Farms, Marion, Iowa	5-Year	4.33	28.56	24.23
Swanton Bros., Bryant, Iowa	4-Year	9.87	42.82	32.95
D. M. Tomlinson, Rushville, Ill.	4-Year	6.94	31.00	24.06
Average, 11 Corn Belt Farms		$6.99	$39.46	$32.47

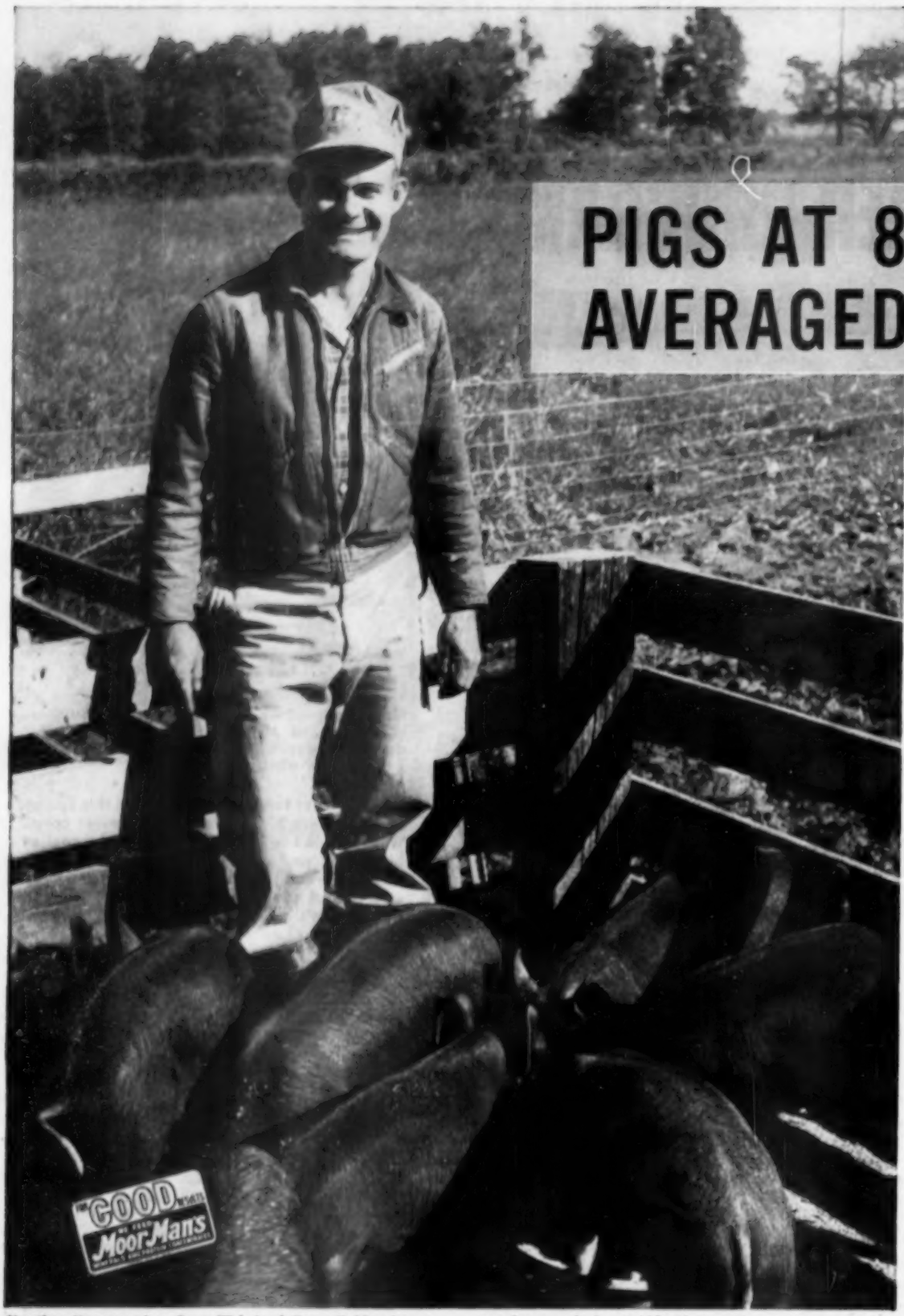
HAROLD C. BAUGHMAN, of Bloomfield, Iowa, says: "My All-Three Fertilizer Program has increased crop income by $139.33 per acre in a 4-year rotation, or $34.83 per acre per year, at an increased fertilizer cost averaging $7.20 per year."

KEITH R. McALLISTER, of Mt. Union, Iowa, reports: "$169.60 increased crop returns in 5-year rotation, or $33.92 average increase per year, at extra fertilizer cost of $9.01 an acre a year. All-Three Program is best drought insurance."

Manufactured only by **The AMERICAN AGRICULTURAL CHEMICAL Co.**
Box E, National Stock Yards, Ill. • P.O. Box 150, Fulton, Ill.

For years we have urged MoorMan customers to keep accurate records of feed costs, weights, and rates of gain on livestock and poultry. As a result our files in Quincy are bulging with experience stories such as this one. Each one tells how farmers have proved to themselves that feeding MoorMan's Mintrates with their own home grown feeds gives them the greatest possible return for their feed dollars.

PIGS AT 8 WEEKS AVERAGED 55 LBS.



Shortly after weaning Gene Wakeland "treats" his pigs to MoorMan's E-Z-Ex Worm Expeller for 3 days to be certain worms do not retard their growth. Because E-Z-Ex is mixed with ground corn and wheat midds, pigs usually continue to gain during the time they are eating it. Gene figures that this small investment is mighty good insurance against waste of feed.

—on MoorMan's Creep Concentrate

"Because my hogs had always done so well on MoorMan's Mintrate* for Pigs and Mintrate 45 for Hogs," says Gene Wakeland, Allen County, Indiana, "I was more than willing to start my pigs on MoorMan's New Creep Concentrate when my MoorMan Man told me about it. I'm sure glad I did. I'm certain it made money for me.

"We fed our first Creep Concentrate to a litter of 8 pigs that were farrowed the middle of August. We put the Creep Concentrate before them when they were 5 days old and they took to it right away. By 8 weeks their average weight was about 55 pounds.

"I've always felt that MoorMan's Mintrate for Pigs was the greatest pig starter I'd ever fed, but this new Creep Concentrate pushes them along at a better rate than anything I've ever used. We had 9 more litters in September and started them all on Creep Concentrate.

"Our experience with our first litter proved Creep Concentrate would help us put about 13 pounds additional weight on every pig by weaning time. That gives us an even lower feed cost per pound of gain than we had in the past.

"On our last bunch of 35 pigs our total feed cost to bring them up to an average of 210 pounds was only $738.50. That includes the feed for 5 sows up to weaning time (56 days) a charge for pasture of $35, cost of vaccination, cost of MoorMan's E-Z-Ex* Wormer and the MoorMaFume* insecticide we used around the yard and farrowing pens. That averages out to 10.53c per pound of gain, or 9.1c if the feed for the sows is not figured in. I know these figures are accurate as we belong to the County Farm Management Program and our books are audited by Purdue University."

"MoorMan's Creep Concentrate is the answer to the hog raiser who wants the fast early gains that mean more pounds of pork per pound of feed at market time. Creep Concentrate is made to measure for suckling pigs' first feed. Like all MoorMan products it is a highly concentrated, highly palatable combination of vitamins, minerals and proteins, and is highly fortified with antibiotics. *Creep Concentrate is available in both meal and pellet form.*

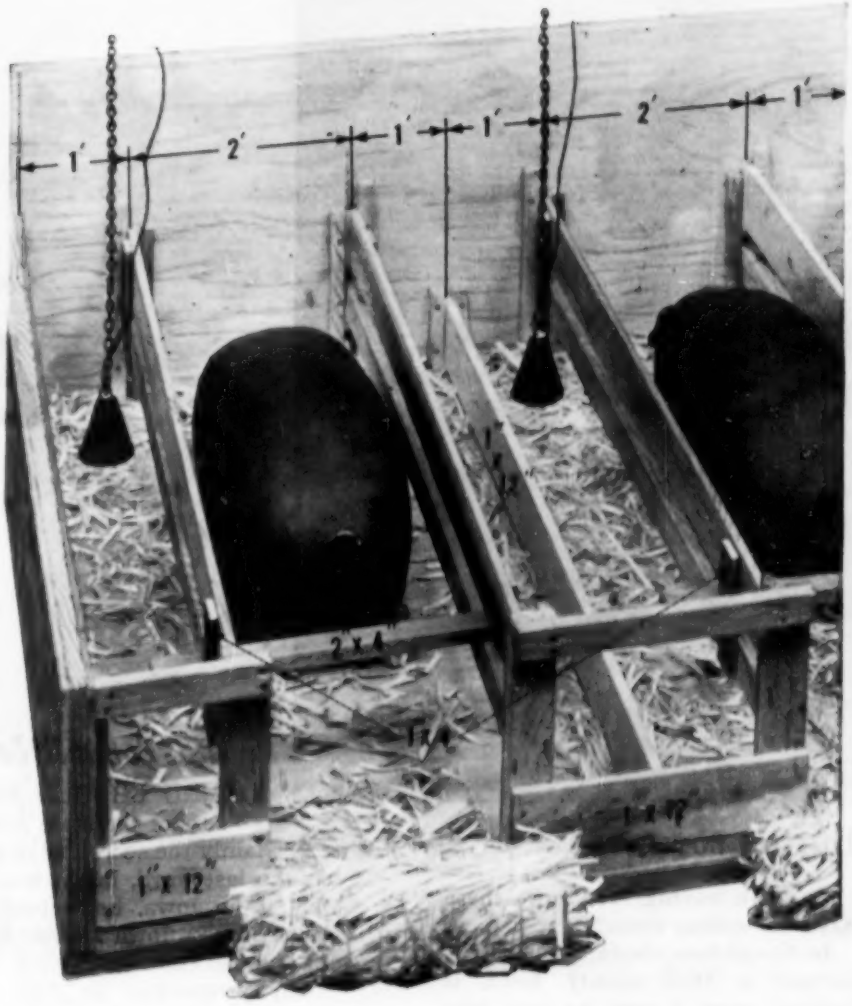
Like Gene Wakeland you'll find that pigs started on Creep Concentrate will give you better feed conversion for your entire hog raising operation. If you'd like to put added pounds on *your* pigs by weaning time—watch for your MoorMan Man. He'll be able to show you how Creep Concentrate can help you market your hogs faster at a new low cost per pound of gain. Or, drop a line to Moorman Mfg. Co., Dept. S52, Quincy, Illinois, for complete details.

Gene Wakeland feels that even though MoorMan's Mintrates contain the right amounts of all the base and trace minerals the average hog needs there may be some exceptions in every herd. That's why he makes MoorMan's Special Hog Minerals available free-choice for those animals that may require extra amounts of minerals.

Gene Wakeland is of the opinion that if you're going to make money on livestock you must keep accurate records of feed costs and rates of gain. These convictions account for his active participation in the Allen County Farm Management Program and the fact that his 276 acre operation brings him a better-than-average net profit.

MoorMan's*
(Since 1885)
MINTRATES, MINERALS
and
Parasite Control Products
*Trademark Reg. U. S. Pat. Off.

by Dave Bryant



Scale model farrowing stall of the design recommended by Iowa State College swine specialists is pictured at right. Stalls are eight feet long. Bottom of partition panels should be about 12 inches from the floor —depending on size of sow.

Farrowing stalls save pigs

THE farrowing stall—new to hog farmers a few years ago—has proved itself.

In a nutshell, the farrowing stall conserves space in the farrowing house, makes farrowing chores easier and—best of all—helps save pigs from crushing.

Some say the farrowing stall will save an average of one pig per litter. Do hog farmers agree?

"That's conservative," says Royal Holz of Greene county, Iowa. "They've saved more than a pig per litter for us."

Holz put in his string of 16 stalls a year ago. Farrowing four batches of pigs per year, he put his fifth bunch of sows thru the stalls last month.

When I talked with Holz, he had 111 husky pigs from 11 litters.

"Lost only one pig," Holz told me. "And I don't stay up with 'em."

In Hancock county, Iowa, Eldridge Alden is using farrowing stalls for the fourth year.

"We used to lose a lot of pigs by crushing," Alden admits. "Now we seldom lose a pig that way." He gives farrowing stalls the credit.

"Will farrowing stalls save a pig per litter," I asked Alden.

"More than that, I would say, if they're built right," was his reply.

"Don't build your sow stalls too wide," Alden cautions. "Twenty-four inches is wide enough—even for a 400-pound sow."

If the stall is too wide, the sow can flop over on her side and crush a pig, Alden explains. But in a narrower stall, she has to lie down easily.

Most plans call for a brooder space 12 inches wide beside the sow stalls. But Alden thinks that at least 14 inches is preferable.

Big sows may crowd the pigs in the narrow brooder space, he explains. And there's a chance that a sow may injure a pig by pushing it against the partition with her feet.

"Farrowing stalls make it easy to transfer pigs from big litters to small litters," Alden says. "I've never had a sow kill a foster pig in a farrowing stall."

After using farrowing stalls for three years, Donald Fritz of Greene county, Iowa, wouldn't want to go back to his old method of handling newborn pigs.

"I didn't have one pig laid on in stalls last year," Fritz says. "I couldn't have said that when I was using individual farrowing houses."

Fritz says stalls make it easier to care for sows and pigs, too. He turns his sows out of the stalls twice a day for feed and water.

"Sows housebreak themselves," Fritz explains. And that means less time spent cleaning up pens.

"I think I can take care of my sows and pigs in less time than if they were in regular pens," he declares.

Cross or sick sows are easier to work with in a farrowing stall, too. You can handle pigs without exposing yourself to the sow.

"A lot of folks overlook that safety factor," Fritz says. "I had to have a vet for one sow. We just slipped a two-by-four thru the panel above her when she was laying down. And she couldn't get up to make any trouble."

Farrowing stalls let you handle more sows in limited space, too. That's one of the reasons why Martin Kimler of Lee county, Iowa, decided to put farrowing stalls in the chicken house which he converted into a farrowing house.

Kimler had been using farrowing stalls previously. He thinks they help save "an extra pig or two per litter."

Some farmers move sows and pigs out of stalls and into regular pens a few days after farrowing. Others, like Holz, Alden and Fritz, keep pigs in the stalls until weaned at three or four weeks of age.

Yes. Farmers across the hog belt are jerking out old farrowing pens—replacing them with stalls. They've seen what farrowing stalls did for their neighbors.

Gates at the back end of sow stalls are preferred by hog raisers like Royal Holz of Greene county, Iowa. But two-by-fours behind sows still are advisable. They keep sows from moving back and forth—possibly trampling pigs.

Buying sows . . .

Are you buying bred sows these days—or selling them?

In the picture above, Richard Utterback of Mills county, Iowa, is looking over a sow he has just bought from Harvey C. Larsen of Cass county. She is bred for February.

Some farmers are looking over their bred sows and gilts now and wondering how many to save for spring litters. Quite a few bred sows may go to market this month.

Editorials...

ASC Committee

WHO SHOULD PICK members of the state ASC committee? Plainly the secretary of agriculture has the last word, but it would be sensible if, in Iowa, he'd check with the Farm Bureau, Iowa Farmer Grain Dealers and the state college.

Any promotions in ASC should be made from within the organization. To be a member of a state committee, a farmer should have made a good record as a county committeeman. Let him prove experience and competence. That's more important than his politics.

Social Security Questions

IF YOU WANT more information on social security for farm people, send a postcard request to "Social Security, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa."

The editors have put together a pamphlet covering the questions farm people have been asking about social security. It will be sent free.

More Butter in Storage

HOW ARE WE doing on purchase and storage of the butter and cheese surplus? Here are the figures for the end of December, 1953, and for December, 1954. This is the official report on commodities owned by the government:

	December, 1953	December, 1954
Butter	**252,048,000 lbs.**	**294,360,000 lbs.**
Cheese	**242,354,000 lbs.**	**325,324,000 lbs.**

Meanwhile milk production continues high. December milk production was the second highest on record. The 1954 annual total was two percent more than 1953 and sets a new record.

For more facts about the dairy problem, turn to pages 14 and 46.

If You're Moving

IF YOU'RE moving, be sure to let us know your new address. Send to Circulation Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa, your old address and your new one. Then you'll get your paper without a break.

That is, you'll get the paper if your subscription is paid up. Don't get absent-minded and forget to renew. You'll want to see every issue. Delayed renewal may make you miss several. Be sure to send your renewal in before the paper stops coming.

Move to town?

Young farm wife wonders about quitting the farm

HERE is a letter from a young Iowa farm woman. Her husband is a renter. Read it and see if you think she has the right bear by the tail:

TO the Editor: This is the first letter I have ever written to any magazine or newspaper, but I just have to let off steam some place.

I get so tired of all these write-ups worrying about how the young folks are leaving the farm. Look at us. We're staying—so far.

We are a young couple with four children. We've lived on the farm six years, since our marriage. My husband has always lived on the farm. I came from a nearby town.

We have never given a thought to any life but the farm, but now we are wondering.

We live moderately and have managed to obtain the necessary machinery, but we cannot seem to get ahead of expense enough to save for that farm of our own we hope to have some day.

HOW does the little farmer ever get ahead?

Right now, the easy way to have a place of our own is to sell out and buy a place in town. Anyone can get a job in town, but my husband is a born farmer and a good one.

I used to think a man farmed when he couldn't do anything else. I know now that it takes more knowledge and ability than any job a city fellow holds.

Why, then, can't it be made easier for us to be independent?

Yes, I know the government has a plan where you can buy thru FHA. But the land has to be cheap and falling apart before loans of this type will be granted.

Yet there must be a way. I look around me and see so many who are still renting after 30 years or more. Yes, they were good farmers too, but could never make the step to ownership. I shudder to think that is what will happen to us.

Perhaps the easy way—moving to town—is the best way? I'm wondering.
—Young Iowa Farm Wife.

HOW would our readers answer this? Say that town jobs aren't so easy to get now and that some renters get a better living than some owners? Or what?

Wallaces' Farmer and Iowa Homestead agrees that young people who started in the high time have a special problem. We'll run a series of articles soon about the difficulties of the young farmer. But in the meantime, we'll appreciate comment from our readers. If you want to write to "Young Iowa Farm Wife," we'll forward the letters.

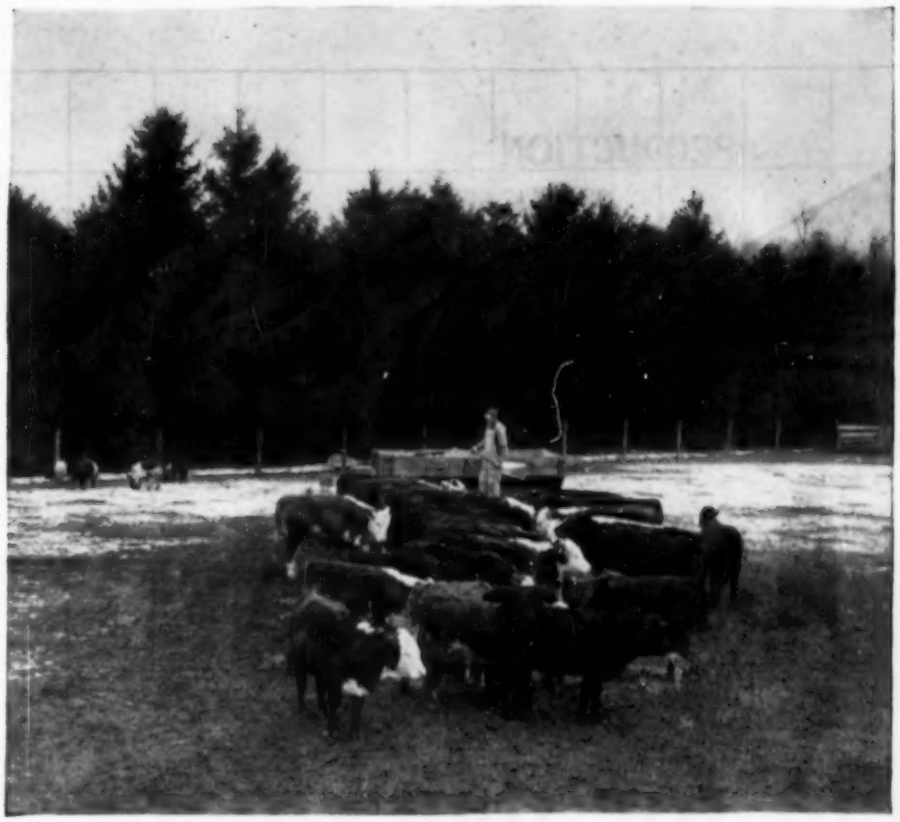
Working for Peace

PRESIDENT EISENHOWER is engaged in a ticklish operation in China just now. The aim is to get a cease-fire between Nationalist China on Formosa and Red China on the mainland. But to do this, the United States may have to help move Nationalist troops from some coastal islands and at the same time avoid getting into a local fight.

Suppose a line is drawn with Formosa and the Pescadores on one side and the mainland and the close-in islands on the other. Will Formosa and Red China agree to honor that line? Will Formosa end raids on the mainland? Will Red China stop raids on territory held by the government of Formosa?

An agreement like this could end the danger of an immediate war between the U. S. and China. For the last two years, there has been danger, since Chiang Kai Shek on Formosa kept hoping he could get the United States into a war. That's the only way he could ever re-conquer the mainland.

President Eisenhower has been criticized for not taking a stronger stand against Red China. Wallaces' Farmer and Iowa Homestead doesn't agree with this criticism. The President knows the risks of war and he hopes to get a reasonable settlement in Asia without killing a lot of Americans and Chinese. More power to him!



Cold winds are balked when they hit a windbreak like this. Three rows of 30-year-old trees help keep cattle comfortable on Edward Keller farm, Pottawattamie county, Iowa.

Odds and Ends . . .

FERTILIZER use in Iowa has doubled since 1950. Prospects for 1955 are for a 10 percent gain over 1954.

. . . MORE DAIRY heifer calves are being held on farms than in the period preceding 1951. But beef heifer slaughter is increasing sharply.

. . . FARMERS meeting in convention of Iowa Farmer Grain Dealers gave support to social security for farm operators.

. . . SCHOOL LUNCH budget, which now only covers one-third of school children, has been cut. Congress is likely to increase the budget figure.

. . . FARM COUNTIES continue to make the best records in Iowa's sales of U. S. Savings Bonds. Tama county was 59 percent over its quota in 1954, and Appanoose and Lucas did almost as well.

. . . SPECIAL SCHOOL milk program is now using $50 million a year. Representative Johnson of Wisconsin wants to shove the figure up to $85 million.

. . . CUT-RATE FEED, with the cuts financed by USDA, has been provided to 700,000 farmers in drouth areas. Total of 70 million bushels of grain has been handled in this drouth feed program.

. . . IF YOUR SCHOOL district needs a new building or an addition, there may be some federal help coming. Either in federal grants to match local funds, or in federal guarantees of bond issues.

. . . BIGGEST SPENDER among farm lobbies at Washington is the National Milk Producers. They spent $181,496 in the first nine months of 1954.

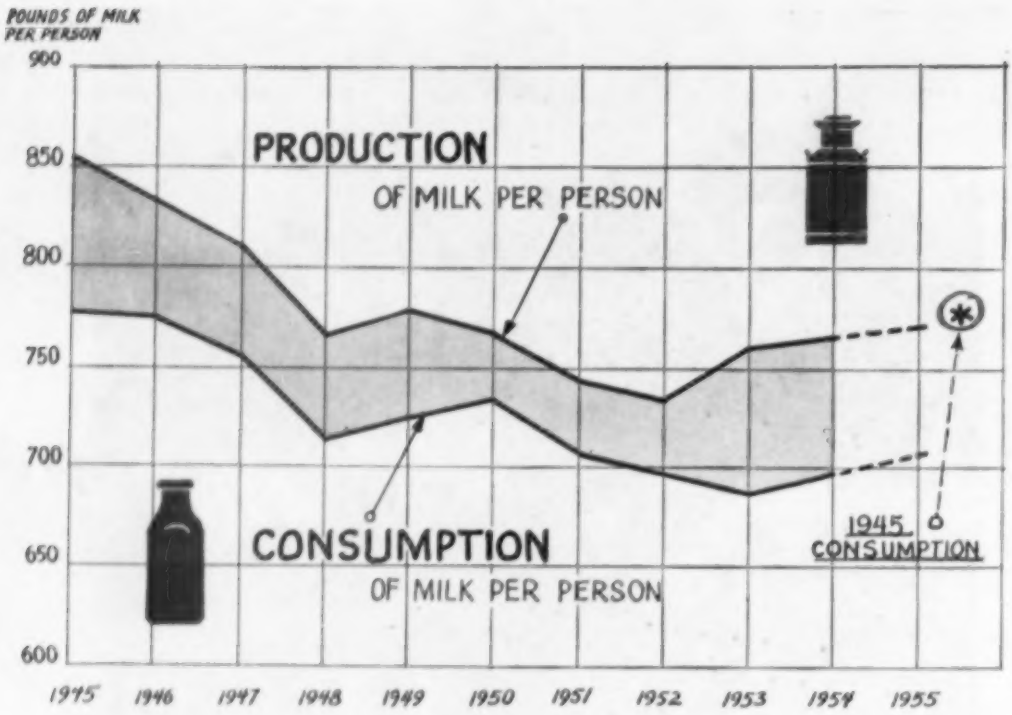
. . . OTHER FARM lobbies spent as follows: American Farm Bureau Federation, $91,819; Farmers Union, $70,198. In labor groups, A. F. of L. spent $91,819 and C.I.O. $90,161.

. . . WISCONSIN HAS a state patrol force of 70. Northwestern University's traffic institute, hired by Wisconsin to size up traffic control, says 609 patrolmen are needed. Iowa has 160.

Song of the Lazy Farmer

MY NEIGHBOR'S done a crazy thing, he's gone down South to stay 'til spring. He claims he's getting much too old to stand our ice and snow and cold; so off he goes to sunny clime to have himself a gay old time. He'll lay in bed each morn 'til eight, eat fancy meals and put on weight, then loll around upon the sand with pretty girls on ev'ry hand; or strut around, the durn old goat, in short-sleeved shirts like Joseph's coat. Now, normally I wouldn't care, what neighbor does is his affair; but this time he has done me wrong, the moron took his wife along.

Before they even started out Mirandy went into a pout. "Why can't you be like him?" she whined, "now there's a man who's really kind; he knows how to reward someone for all the work that she has done; for me it's 'sposed to be a treat just riding to the county seat." For one who thinks he's neighborly, that guy is quite a pain to me; without half trying to at all he makes me out a criminal. When he gets back, I'll make him pay, I'll have a thing or two to say; his wallet may be bent, by heck, but I am going to break his neck.



What's Wrong?

Dairy farms are turning out more milk products than US consumers are eating. And they've been doing it for quite awhile.

From 1942 to 1949, handouts abroad used up the dairy surplus. Since then, CCC has been buying and storing surplus butter and cheese.

Look at the chart at the left.

Production has gone up sharply since 1951. It is still rising. How can consumption be pushed up to equal production?

That's the dairy problem.

Help for dairymen

DAIRYMEN are in trouble. And for the usual reason. Too much milk—or not enough milk consumers.

Since 1951, dairy production has been jumping like mad. In 1951, farmers sold as whole milk 74 billion pounds. In 1954, they sold 84 billion pounds.

Look at the chart above. If we consumed as much per person in milk and other dairy products as we used in 1945, we'd have no surplus.

Or if we cut production to the level now being consumed, we'd have no surplus.

Should we cut dairy production?

No, the population is growing. We'll need those cows and those skilled dairymen presently. And there are still plenty of people in the United States who today aren't getting the protein, calcium and vitamins that they need.

Looked at from the standpoint of national diet and national welfare, we don't have too much milk.

But can the nation ask the farmers to produce the milk the nation needs when the nation can't figure how to pay him for it?

Wallaces' Farmer and Iowa Homestead recommends that farmers, congress and consumers get busy to work out ways of stimulating consumption. Several programs on this are outlined elsewhere on this page.

One hurry-up job that is badly needed is to get rid of the present method of supporting dairy product prices by purchase and storage.

When a farmer talks to a city man these days, he is likely to find that the city man is down on all farm programs. Often he'll say: "I don't like all that butter spoiling in storage."

City irritation at purchase and storage is hurting not only the dairy support program, but all programs. Somehow city critics are apt to lump storage of corn and wheat with storage of perishables like butter.

To restore farm programs to the good graces of the city consumer, the first step is to abolish purchase and storage and substitute production payments.

Don't think the dairy problem will cure itself. Lower dairy prices seem to stimulate greater production. The new farm program is aimed at producing more and cheaper feed. Some of this feed will be turned into more milk.

To survive, dairy farmers will have to do even better than they have been doing in the way of efficient breeding and feeding and management. Their record is already fine. Milk production per cow has gone up 20 percent in the last 10 years.

But to maintain their place as a prosperous part of the economy, dairymen also need to work with each other and with government to stimulate greater consumption of dairy products.

This can be done. For some of the ways of doing it, read on!

For Bigger Cream Checks

Wallaces' Farmer and Iowa Homestead recommends:

1. Expand school lunch program:

At present, only one-third of the nation's school children are in the school lunch program. If two-thirds were in the program, yearly milk consumption would be increased by .....**400 million pounds**

2. Enlarge school milk program:

At present, the $50 million school milk program is increasing milk consumption by 600 million pounds a year.

Doubling the program would increase consumption by another.....**600 million pounds**

3. Provide food stamps for poor and hungry:

At present, around eight to 10 million persons (old folks, children in broken homes, etc.) are getting public help. Food stamps to give each one quart of milk a week would increase milk consumption by.....**750 million pounds**

4. Push whole milk sales:

At present, many big eastern markets do not give discounts for cash-and-carry purchase or discounts on milk in two to four quart containers. These and other marketing methods should be pushed.

5. Continue advertising to consumers:

ADA and other groups are telling consumers how to make more use of dairy products. This selling campaign should be maintained.

6. Use production payments:

At present, surplus dairy products are bought and stored by USDA. Production payments should be substituted. Turn to page 46 for details.

(Estimates in the statement above are taken from USDA report to Congress, January 3, 1955.)

UNI-FORAGOR
Mounted on the Uni-Tractor, this Uni-Machine chops hay or row crops to the lengths you want, has plenty of power and capacity for heaviest going.

MM UNI-FARMOR

makes you money like the Champion it is!

Now, you simply can't afford not to get the facts!

World Championship Performance and...

UNI-TRACTOR and 3 UNI-MACHINES COST $1500 LESS THAN PULL-BEHINDS

UNI-HARVESTOR

Combining was never easier! This Uni-Harvestor unites famed Harvestor performance with all the advantages of self-propelled operation. Variable-speed drive, Uni-Matic hydraulic header control, high-speed auger unloader—you profit by them all.

UNI-WINDROWER

New Uni-Matic height control, big, 10-foot capacity and perfect cutting visibility make this self-propelled windrower outstanding. A cost-cutter in any crop you windrow, you'll use this Uni-Machine all summer long—and profit every round! It's unbeatable for hay cutting.

UNI-HUSKOR

This MM Uni-Husker, won 1st, 2nd and 3rd prizes in the toughest international competition. Uni-Matic height control, exclusive MM husking bed with rotating and side-to-side action, full length corn saver. Each husking roll is combination metal and rubber. Low-cost championship* sheller attachment lets you convert to picking-shelling whenever you choose.

*Over 50% of the power shellers sold recently are made by MM.

UNI-PICKER-SHELLER

With this advanced MM Uni-Picker-Sheller, you pick and shell corn with up to 30% moisture content, in one trip through. You profit by all the prize-winning advantages of the Uni-Husker, plus the thorough, big-capacity shelling of MM's famed Model D Sheller. Powerful cleaning fan and long cleaning sieves deliver a clean, trash-free crop to the tank. Try this money-maker in your corn, and see how fast it pays for itself!

In its first really competitive test, the Minneapolis-Moline Uni-Farmor swept the field! Competing in the International Mechanical Corn Picking Contest, MM Uni-Huskors placed 1st, 2nd, and 3rd. That's Champion performance in a field of Champions—real proof of the prize-winning operation you get when you farm with the MM Uni-Farmor.

When you Uni-Farm, you work the same basic self-propelled machine spring, summer, and fall. One Uni-Tractor powers and propels all your Uni-Farmor attachments. You chop silage, windrow hay or grain, combine grain, bean or seed crops, pick and husk corn, or pick and shell corn. On *every* job, you get the same *self-propelled* speed, the same *money-saving* capacity. It takes only minutes to switch attachments.

And look at the money you save!

You pocket up to $1500 or more the day you buy your Uni-Farmor. That's how much the Uni-Tractor and 3 Uni-Machines *save* you over the cost of the pull-behind equipment you'd need to do similar jobs. Every Uni-Machine you add after that adds an *extra dividend* to that first big saving.

Any way you look at it, you owe it to yourself to get the facts about Uni-Farming—*before* you buy any other harvest machine. Mail the coupon for free, illustrated literature. Then see your MM Dealer for first-hand facts.

MINNEAPOLIS-MOLINE
MINNEAPOLIS 1, MINNESOTA

Want the facts? Mail Coupon

MINNEAPOLIS-MOLINE Dept. 42
MINNEAPOLIS 1, MINNESOTA

I'd like to know more about Uni-Farming and how the Uni-Farmor can pay off on my farm. Please send me illustrated folders on the Uni-Tractor and the Uni-Machines checked below. I farm ..... acres.

( ) UNI-TRACTOR ( ) UNI-HARVESTOR ( ) UNI-FORAGOR
( ) UNI-WINDROWER ( ) UNI-HUSKOR ( ) UNI-PICKER-SHELLER

Tell us WHAT OTHER MM-Machine you'd be interested in—in the future.

Name.....

RFD.....Box.....

Postoffice.....State.....

"My cash crops gave higher yields after this green manure"

"BEST OATS STAND ever seen on the field!" That's Richard Webster's report on the oats that followed his plow-down crop of Terra Verde Brand Alfalfa. "The *quality* of the oats was exceptionally good, too," says Webster. "I'm growing Terra Verde Brand Alfalfa regularly now—I've seen how it pays off with higher yields from crops that follow."

NEW TERRA VERDE BRAND ALFALFA IMPROVES SOIL IN JUST ONE YEAR

Here's the quick way to boost per acre returns from your cash crops. Seed new Terra Verde Brand Alfalfa with your small grains—in those fields you don't need for hay or pasture. By plowing down Terra Verde Brand after just one year's growth, you add the equivalent of 40 to 80 pounds of nitrogen per acre to the soil! The alfalfa's heavy top and root growth also adds loads of tilth-improving organic matter. Corn crops that follow on the field commonly show yield increases of from 5 to as high as 30 bushels per acre!

ONE YEAR CROP

Used as a one year green manure crop, Terra Verde Brand Alfalfa builds up your fields *during* your small grain rotation. This rapid growing blend of non-hardy alfalfas starts more slowly than the oats, barley or wheat you seed with it. But once the grain is harvested, Terra Verde Brand shoots up fast—grows with vigor till frost.

PLOW IN SPRING OR FALL

This remarkable new green manure crop thrives on any land where other alfalfas will grow. Your soil gets the full benefit from Terra Verde Brand Alfalfa whether you fall-plow or wait till spring. But keep this in mind. Only your Northrup King dealer can supply you with this profit-making crop. Ask him now for enough Terra Verde Brand Alfalfa to seed with your small grains this spring.

HERE'S THE SECRET

1. SPECIALLY SELECTED STRAINS. Non-hardy alfalfa strains best suited for green manure purposes have been chosen by Northrup King agronomists.

2. RAPID SUMMER GROWTH. The non-hardy alfalfas blended in Terra Verde Brand show their most rapid growth during the hot, dry months of midsummer and fall . . . giving a full, lush growth for plow-down.

3. DEEP ROOT SYSTEM. Terra Verde Brand roots, piercing down through the soil three feet and more, break up hard pan, open up pore spaces, allow soil to "breathe" better . . . improve the soil's physical quality.

4. NITROGEN SUPPLY. Plowing down a full stand of Terra Verde Brand Alfalfa after one year's growth, adds the equivalent of from 40 to 80 pounds of nitrogen per acre to your field. As with other legumes, Terra Verde Brand seed should be inoculated just before seeding for maximum nitrogen benefit. Your following crops will show profitable increases in yield.

5. WEEVIL RESISTANT. The damaging sweet clover weevil *will not thin out* your stand of Terra Verde Brand Alfalfa.

See your Northrup King dealer now

GET MORE FROM EACH ACRE WITH

TERRA VERDE BRAND **ALFALFA**

Another quality product of **NORTHRUP KING** NK

Minneapolis, Moorhead, Minn., Madison, Wis., Waterloo, Ia.

Calves are eating corn and sorghum silage on the farm operated by Robert Richter, Pottawattamie county, Iowa. Steers are fed to 1,100 pounds, heifers to 900 pounds.

Cattle on feed near record

Increase of eight percent over 1954 is mostly in middle weight cattle

IF YOU'RE a cattle feeder, the January 1 estimate of cattle on feed will interest you. Here's the picture it gives of the cattle feeding situation.

1. Farmers of the nation have a near-record number of cattle on feed. Only the year 1953 started with more cattle in fattening yards.

2. Increase in cattle on feed was mostly in the middle weight division, 600 to 900 pounds. Heifers on feed are up sharply.

3. Steers and calves on feed appear to be about the same as last year, altho the percentage of total is down.

4. Farmers indicate they will sell fat cattle a little more rapidly this year than last year. By April 1, they expect to sell 43 percent of the total.

5. Biggest regional increase in cattle feeding was 22 percent in Western states. Corn Belt was up four percent. Iowa farmers increased cattle feeding six percent.

Some other points about the cattle feeding situation help make the picture clear.

The 5.8 million cattle on feed January 1 this year is eight percent above one year before. And 19 percent above the five-year average, 1949-1953.

While western states increased cattle feeding most, the number fed in those states is only 26 percent of the total. Twelve Corn Belt states have 72 percent of the total cattle on feed.

Among Corn Belt states, Iowa shows the biggest increase over one year before. Iowa total is 1,174,000 head, up six percent; Nebraska, 619,000 total, up two percent; Illinois, 578,000, up five percent; Minnesota, 334,000, up one percent and Missouri, 331,000, up three percent.

It was expected that steer numbers on feed would be way down this year and calf numbers up. But the figures from five important feeding states don't indicate any big change.

Steers on feed are actually up a little over last year, 1,546,000 to 1,657,000. The change in calves is the other way, down from 793 to 767 thousand. Figures on heifers show an increase from 328 to 494 thousand in the five important cattle feeding states.

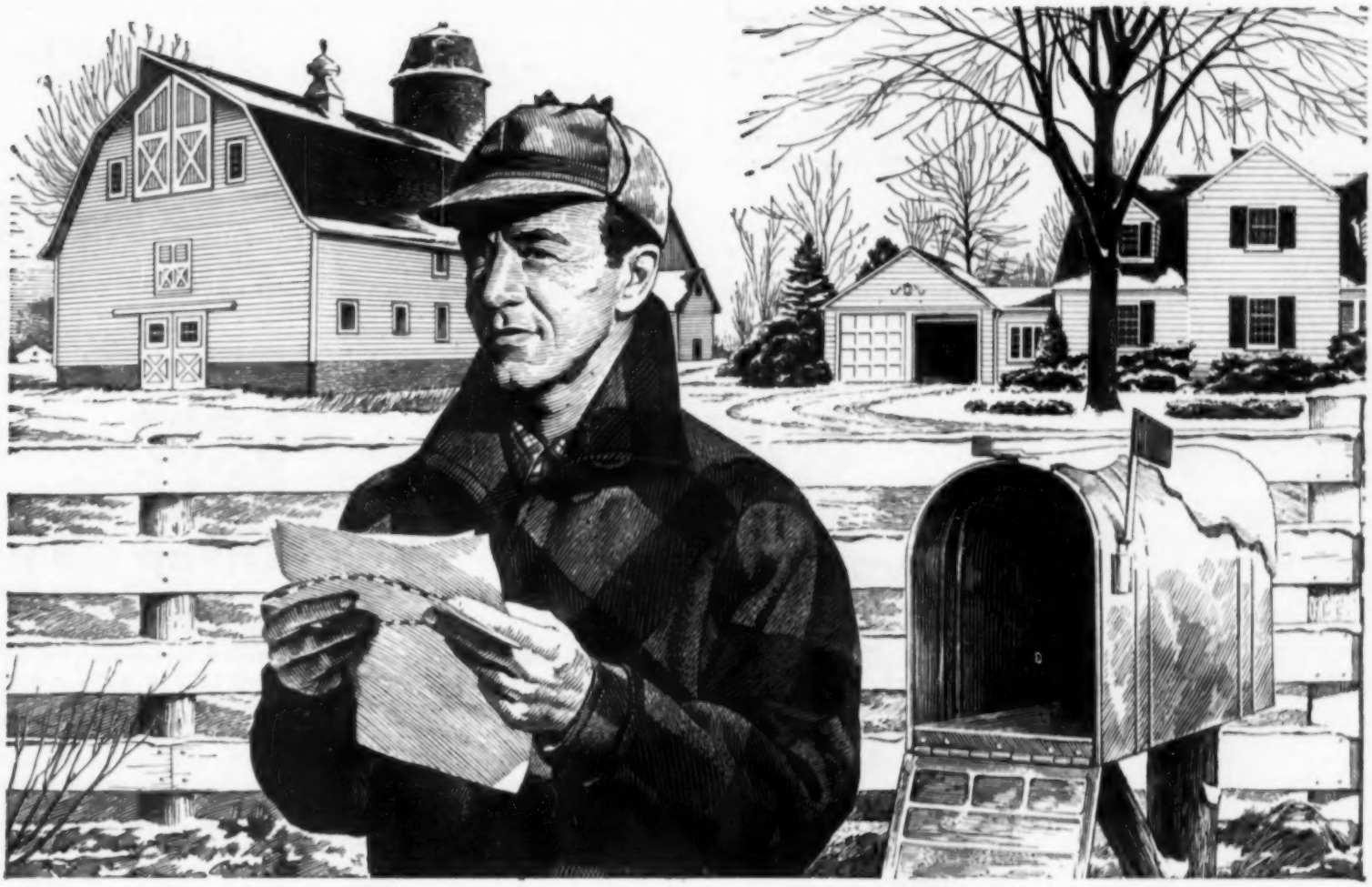
When cattle on feed are classified by weight, cattle above 900 pounds held steady with last year. In the 600 to 900 pound weight division, five-state totals went up from 1,149,000 to 1,352,000. Under 600 pounds, totals went up from 874 thousand last year to 919 this year.

It should be remembered that movement of calves to farms was very heavy in the last part of last year. It's possible that many of these calves were not on grain feed January 1. But they may have been put on feed since that date. That would increase the number and percentage of calves and light weight cattle.

The increase of cattle on feed as indicated by January 1 reports is confirmed by movement of cattle and calves to farms July thru December. The increase was 19.5 percent, including shipments direct and thru stockyards. Some of these cattle have already gone back to market, however, and some have not been put on feed. But both reports indicate a substantial increase in cattle feeding for the present feeding season.

Main thing to remember about the cattle feeding situation is that the supply of fat cattle will be large in the next six to nine months.

And that the extra numbers are light and medium weight cattle. Many are heifers that will come to market early.



Swift Reports On Its Services To Agriculture In '54

On the rural routes of America live the producers of our nation's food supply . . . along the city, town and village streets live the people who depend on the food that farmers and ranchers produce.

Most of these consumers aren't able to come directly to your farm or ranch . . . neither can the retail dealers. That's why companies such as Swift have a job to do . . . to process and distribute what you produce.

The services we perform help provide a market for your livestock and other agricultural products. And, the better job we can do in selling and distributing our products, the better market we can provide for you. Consumers living a thousand miles or more from your farm or ranch, become your customers.

Every year we do business with millions of people, both producers and those who buy our products. Our total sales in 1954 amounted to $2,510,804,805. Net profit was $19,050,891. The report below shows what happened to the money received from sales.

You'll also notice that our earnings per average dollar of sales were 8/10ths cent. This small profit was used in two ways . . . part was paid to the 65,000 shareholders, a good number of them farmers and ranchers . . . the remaining profit is being retained in the business for future needs.

A. L. BRUCKNER
TREASURER, SWIFT & COMPANY

Here's what happened to the Swift sales dollar

For all "raw materials"—from your farms and ranches, and other sources, we paid out $1,838,648,919 last year. Only a small part of that money may be profit for producers, just as only a small part of Swift's total sales may be profit for us. From the average Swift sales dollar, during the year of 1954, we paid out for livestock and other agricultural products..... **73.2 cents**

For labor in 1954 we paid out $328,446,934. As in your business, labor costs are an important item with us. Swift's organization of 78,000 men and women processes and markets the products we buy from you. Out of the average sales dollar, Swift employes received..... **13.1 cents**

For supplies we paid out last year $125,225,094. This includes a wide variety of necessary items . . . fuel, electricity, containers, spices, sugar, salt (6 million dollars' worth of salt in a year), etc. The cost for supplies, per average sales dollar, in 1954, was..... **5 cents**

For transportation we paid out $66,435,539 last year. Products must be moved—often great distances—to match the supply with demand. Our transportation costs for 1954, per average Swift sales dollar, were..... **2.6 cents**

For taxes—federal, state, local, including unemployment insurance and old age benefit taxes—we paid out last year $33,234,696. Taxes are a large part of our cost of doing business these days. Our total tax bill was actually greater than our net profit. Out of the average Swift sales dollar for 1954, taxes were..... **1.3 cents**

For other expenses in 1954 we paid out $99,762,732. These are necessary business costs not classified above . . . interest on borrowed money, depreciation, telephone and telegraph bills, rent and advertising. From the average Swift sales dollar, these costs were..... **4 cents**

Net earnings in 1954 were $19,050,891. This was used in two ways—for future business needs and dividends to shareholders. Net earnings per average sales dollar.. **8/10 cent**

SWIFT & COMPANY • UNION STOCK YARDS • CHICAGO, ILLINOIS

Tips for February

Here are some timely suggestions from Francis A. Kutish, Iowa State College farm economist.

A GOOD FARMER is a good manager. The successful farmer or livestock man follows sound business principles. He keeps his land and equipment in shape. He makes full use of his time.

▼ ▼ ▼

A LITTLE NOTEBOOK in his pocket helps a good farmer remember his best ideas. He jots them down when he thinks of them. Then each night he plans his next day's work—using his notebook.

▼ ▼ ▼

ALWAYS PLAN a little more work than you can get done. That's the advice of J. J. Wallace, manager of Iowa State College Agricultural Foundation Farms. Then you will make full use of your time.

▼ ▼ ▼

TIME AND MONEY are your two limiting factors. So you have to choose. We don't have enough time and money to do everything. The ability to make wise choices is the mark of the good manager.

▼ ▼ ▼

FARROWING STALLS for sows can be real time saver. Saves little pigs, too. "Never have had a sow lay on little pigs since I started using them," says Raymond Fisher, Greene county, Iowa.

▼ ▼ ▼

FISHER REMODELED his old horse barn into a farrowing barn. Made 16 stalls on one end. Other end is a pen for feeding and exercising sows. Sows are held in an adjoining shed until ready to farrow.

▼ ▼ ▼

CRUSHED CORN COBS are used for bedding. They absorb moisture well. And little pigs can't get tangled as in straw.

▼ ▼ ▼

DOWN IN PAGE COUNTY, Iowa, Ken Oakleaf built some removable farrowing stalls in his movable hog houses. Later, after farrowing is over, the stalls are removed.

▼ ▼ ▼

SLACK WINTER days are a good time to check over farm machinery. Bernard Shager, Wright county, Iowa, has his machinery checked over. Everything is put in tip-top shape for spring work. Needed repair parts are ordered. If the tractor needs overhauling, the work is lined up.

▼ ▼ ▼

WELDERS AND IMPLEMENT dealers can give better service during these winter months, too. And their load during the busy season will thus be relieved. So they can give prompt service in emergency breakdowns.

▼ ▼ ▼

IT IS POOR MANAGEMENT to put off repairing machinery at this time of year. Stopping to get a machine ready for field work during the busy season takes time from field work when every minute counts.

▼ ▼ ▼

PLANT THE BEST adapted varieties for your part of the state. Ask your county extension director for a report of the corn yield tests for Iowa. He can also tell you the oat varieties recommended by the Iowa State College.

LAST TIME we had a crop reduction program, sheep numbers went up in the Corn Belt. Demand for breeding sheep is picking up again. Sheep offer a good way to use extra forage. The new wool support program is a help also.

▼ ▼ ▼

BUILD A BARN or a shed? Herb Campbell chose a shed rather than a barn for his eastern Iowa farm. It gives him more livestock space per dollar of building cost.

▼ ▼ ▼

ANTIBIOTIC in feed made sows farrow bigger litters in Iowa State College tests. Gilts, however, were not helped by the drug in these experiments.

"When I grow up, I want to be like Grandpa . . . retired."

SOWS

Have Big, Healthy Litters when Fed

CONCENTRATE

Good feeding helps make big, healthy litters. Sows that have been short-changed on vital bone, blood and tissue building nutrients usually farrow small, weak litters. Small litters are the beginning of small profits, or no profit at all.

You can avoid the costly danger of short-changing your sows by putting them on a MURPHY feeding program. You can stop wondering if your sows are getting too little proteins, minerals, vitamins and antibiotics. You can stop spending money for one vitamin supplement, another protein supplement and a third antibiotic supplement. The proper amounts and correct levels of these vital nutrients are all in one bag of MURPHY'S CONCENTRATES. MURPHY'S added to your farm feeds gives you a sow ration that is nutritionally complete.

Well fed sows will reward you with healthier, thriftier, bigger litters that are ready to get off to a fast start on MURPHY'S PIG STARTER.

Murphy's Pig Starter Saves Feed

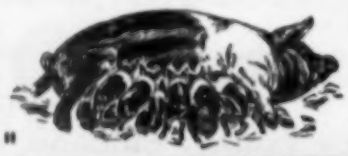
During gestation a sow will eat about six pounds of feed a day. During lactation she may increase her feed consumption to twelve pounds a day. But if the baby pigs are fed MURPHY'S READY-TO-FEED PIG STARTER to supplement her milk, the demand on her is less—she maintains her weight, and thrives better on less feed.

Murphy's Pig Starter Supplies Vital Missing Nutrients

It supplies the vitamins, antibiotics, iron, copper, and other trace minerals which are short in sow's milk. It's highly palatable.

It's fortified with extra-high levels of antibiotics and the proper balance of proteins, minerals, vitamins and energy substances. It is low in fiber content. It is highly palatable; pigs like its taste; eat it early.

MURPHY-fed pigs have a better chance to keep right on gaining from birth to market. So switch to a MURPHY feeding program. Get better results at a lower feed cost. MURPHY'S guarantees lower feed costs.



MURPHY
PRODUCTS CO., BURLINGTON, WIS.

BEEF

Make Cheap Gains Free-Choice Fed

CONCENTRATE

MURPHY'S CUT-COST BEEF CONCENTRATE makes free-choice feeding of beef cattle practical and profitable. Thousands of feeders find that cattle won't overeat on MURPHY'S CONCENTRATE. Cattle eat ¾ to 1 pound of concentrate per day and put on fast, economical gains.

This big step forward in cattle feeding has been made possible because of the nutrient balance achieved in MURPHY'S CUT-COST CONCENTRATE. Free-choice feeding MURPHY'S BEEF CONCENTRATE can make more money for you.

Four Good Reasons For Switching To Free-Choice Feeding Murphy's Beef Concentrate

1. Cattle Digest Their Feed Better. You will find less corn "going through" cattle undigested when you give them a chance to properly balance their ration. Many feeders report as much as 20% more gain from the same amount of corn. Usually about 30 pounds of MURPHY'S CUT-COST CONCENTRATE and 11 to 12 bushels of corn is the average amount of feed required for 100 pounds of gain.

2. Cattle Go on Feed Easily—Stay on Feed Better. Whether cattle are short fed or long fed, MURPHY'S CUT-COST CONCENTRATE will keep them eating and gaining. Because MURPHY'S CUT-COST CONCENTRATE supplies, all-in-one bag, the extra substances needed to balance up the corn and roughage part of a ration, cattle are less likely to overeat on corn, scour and go off feed.

3. Fits All Types of Feeding Operations. Cattle can be safely fed free-choice whether on pasture, on silage ration or on a full feed of corn. Thousands of beef feeders have already had outstanding success with this MURPHY free-choice feeding program.

4. Costs Less to Feed. Usually it takes about one-half as much of MURPHY'S CUT-COST BEEF CONCENTRATE as it does of most supplements. Small amounts of MURPHY'S CUT-COST CONCENTRATE give cattle the *extra* body-building, health-promoting, rumen-stimulating substances needed for low feed cost and rapid gains.

This is the year to switch to free-choice feeding. This is the year to switch to MURPHY'S. Save labor by feeding free-choice. Get better gains and lower feed costs.

MURPHY
PRODUCTS CO., BURLINGTON, WIS.

First Aid For Stock

Fungus Infection On Cattle?

To the Editor: Recently I noticed a slight enlargement on the last four inches of the fleshy part of the tails on some of my cattle. This part gets hard and scaly. Also the switch hair drops off. What is the cause?—M.D., Muscatine county, Iowa.

Probably this is due to a fungus infection. Dip or spray the entire switch and tail with a lime sulfur dip or chlorine solution.

Follow up this treatment by applying an antibiotic or sulfa ointment to the tail.

Cow's Milk Begins To Taste Bad

To the Editor: I have a cow that freshened last May and still gives two gallons of milk a day. But we had to quit using the milk because it had a bad taste. The milk is not stringy or bloody. What causes this? — J.P., Adair county, Iowa.

There are many causes of off-flavored milk. Mastitis may cause off flavors even tho there is no sign of change in the milk itself. Wild onions and other weeds may cause bad flavors.

Some cows have the peculiarity that during the last one-third of their lactation period, their milk is off-flavored. This cannot be remedied altho the milk is harmless.

Check the cow carefully for mastitis. Then dry her so she has 60 to 70 days rest before calving.

Egg Production Falls Off

To the Editor: Our pullets have fallen off terribly in egg production. They're getting corn, oats, milk, and a laying feed. They have a good hen house. What could be wrong?—Mrs. A.S., Clarke county, Iowa.

In many poultry flocks, diseases such as blue comb, chronic respiratory disease or newcastle may throw the birds off production.

Try making a mash out of your laying feed and milk. Mix it so it is crumbly. Mix just enough for the birds to clean up in a short time. You might mix molasses in the feed to entice the birds to eat. Do this for a few days until birds are back on full feed.

If your birds appear to be listless or diseased in any way, have your veterinarian inspect the flock.

Wants Foot Bath For Cattle

To the Editor: Can you tell me how to build a foot bath for cattle? What solution should I use in the foot bath to prevent foot rot?—A.P., Fayette county, Iowa.

A foot bath for cattle to prevent foot rot can be made in several ways. A box made from 2x4's works out well. Then fold some gunny sacks in the box, and add a disinfecting solution.

One pound of copper sulfate to one gallon of water added to one half gallon of kerosene makes a foot bath solution that won't freeze. A five percent stock dip solution also does the job.

Some cattlemen report that adding rock phosphate to a foot bath works satisfactorily.

Asks About "Blowout" In Ewes

To the Editor: What causes a ewe that is about to drop lambs to have a "blowout" similar to blowout in hens? We had one ewe that way and sold her. Now we have another. — R.W., Andrew county, Missouri.

This is known as prolapse of the vagina and is seen among large well-fed ewes carrying twins or large singles. The exact cause is not known.

It is thought to be caused by lack of exercise in ewes that have been well fed. Range ewes on a roughage diet carrying small singles are seldom afflicted.

These prolapses can be remedied by a veterinarian if caught in time.

"No, Billy, not my $5,000 bull!"

PULLETS

Quality Bred Should be Quality Fed with

CONCENTRATE

Quality Pays

It doesn't take much extra expense to have a premium product. The added price you get for top quality eggs is largely profit. Rarely has the market for quality eggs been overloaded.

In the last five years, monthly averages of egg prices have been lower each year during February, March and April. That means that during the coming months profit margins will be very close. Look at your present feed costs! Ask your MURPHY dealer to compare them to the cost of a MURPHY feeding program. You'll find that MURPHY'S VIG-O-RAY CONCENTRATE plus your own grains and roughage makes one of the most economical, high producing rations you can use. By switching to MURPHY'S you can lower your feed costs and also save labor by cafeteria feeding.

MURPHY'S VIG-O-RAY CONCENTRATE cafeteria fed with your own grains and roughage increases feeding efficiency. It takes less feed to produce more eggs because each ounce goes further towards meeting the nutritional requirements of heavy producers. The extra good quality proteins, minerals, vitamins and antibiotics supplied by MURPHY'S make sure your farm feeds are nutritionally complete.

Chicks—Start Faster on Murphy's Ready-to-Feed Chick Starter

PROTEINS	MURPHY'S Chick Starter supplies top quality proteins at the proper levels to permit better growth, better feathering and good health.
MINERALS	MURPHY'S Chick Starter supplies the minerals chicks need to grow strong legs, big frames and become vigorous pullets.
VITAMINS	MURPHY'S Chick Starter supplies high levels of the right vitamins to speed-up growth—to resist diseases.
ANTIBIOTICS	MURPHY'S Chick Starter supplies extra high protective levels to give chicks a fast start and to get more out of their feed.
ENERGY	MURPHY'S Chick Starter supplies an abundance of energy.
COMPLETE FEED	MURPHY'S Chick Starter gives chicks nutritional values they need. Chicks either start to grow within a few days of hatching, or they die. MURPHY'S Chick Starter supplies what is needed to give these babies a booster start on the highway to poultry profits.

Start today on a MURPHY feeding program with MURPHY'S READY-TO-FEED CHICK STARTER AND MURPHY'S POULTRY CONCENTRATE. MURPHY'S guarantees lower feed costs.

MURPHY
PRODUCTS CO., BURLINGTON, WIS.

FEED

Is Nutritionally Complete when You Feed

CONCENTRATE

To maintain good production at a low feed cost, farm animals need energy substances plus at least 34 vital nutrients. Your farm grains lack or are short in 20 of these nutrients.

Farm feeds supplemented with tankage, bone meal, soybean or linseed meal, still fall short of being nutritionally complete rations.

All the nutrients known to be short or lacking in farm feeds are found in MURPHY'S CONCENTRATES. The nutritional combination of your own home-grown grains and roughage and MURPHY'S CONCENTRATES supplies your animals with all the energy, proteins, minerals, vitamins and antibiotics they need for fast gains, good health and low-cost production.

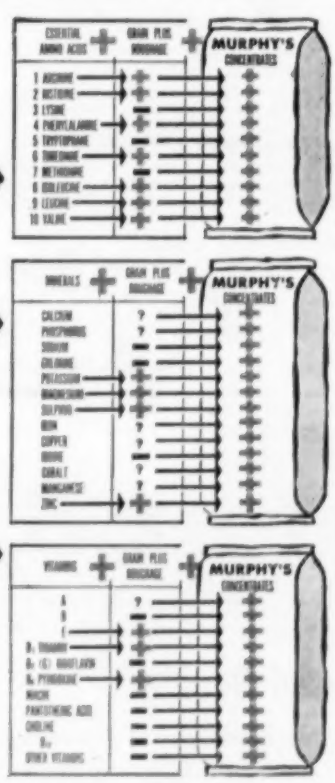
Here's Why Murphy's Concentrates Make Good Low Cost Results Possible

All the known protein amino acids your animals need are supplied when MURPHY'S CONCENTRATES are added to your farm feeds. (See chart at right.)

All the known minerals your animals need are supplied when MURPHY'S CONCENTRATES are added to your farm feeds. (See chart at right.)

All the known vitamins your animals need are supplied when MURPHY'S CONCENTRATES are added to your farm feeds. (See chart at right.)

All farm feeds lack antibiotics. Where needed, MURPHY'S CONCENTRATES supply your animals with the proper levels of antibiotics. (Penicillin, Terramycin®, Aureomycin®.)



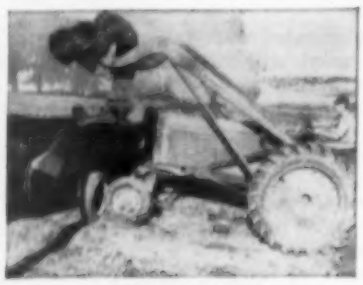
When you fortify farm feeds with MURPHY'S CONCENTRATES you buy only what you need. You're not spending money to buy feed that duplicates what you already have. You're feeding nutritionally complete rations. So switch to MURPHY'S CONCENTRATES—lower your feed costs. MURPHY'S guarantees lower feed costs.

MURPHY
PRODUCTS CO., BURLINGTON, WIS.

Make every load count... with these big capacity, easier-handling FARMHANDS!

FARMHAND CUTS SPREADING TIME—you'll get manure on all your fields, even the distant ones, in less time at lower cost with a Farmhand "Power-Box" Spreader. The huge capacity eliminates those extra trips . . . makes long hauls worthwhile. And, out in the field, the "Power-Box" lays down an even dressing of manure, in 9 to 12-ft. swaths . . . unloads *completely* in 2 to 6 minutes. This *PTO-powered* Spreader has worm-gear driven floor conveyor, plus safety overload clutch. Marine plywood floor and special alloy aluminum sides resist manure acids, *outlast steel*. Mounts on truck, Farmhand Heavy-Duty Wagon or Tandem Trailer, as shown in illustration above.

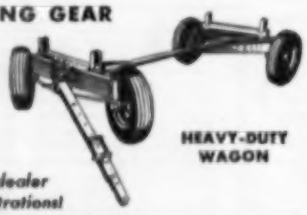
SMALLER FARMS, TOO, need the cost-cutting efficiency and dependability of a Farmhand "Power-Box" Spreader. This *low-cost*, 4-ton unit is the answer. It has the same basic features as the 6-ton model—*PTO power*, worm gear-driven conveyor, no ratchets. Sides and bottom are tough, treated marine plywood for unsurpassed durability.



THIS HUSKY FARMHAND LOADER gets you loaded up in a hurry. It's the *Farmhand Universal*, with box-section lift arms and 3" hydraulic cylinders that hoist *2500-lb.* loads up to 12 ft. with speed and stability. Fits row-crop and adjustable wide-front tractors. Bucket available with mechanical trip or hydraulic pitch control.

FARMHAND RUNNING GEAR

TANDEM TRAILER



HEAVY-DUTY WAGON

See your Farmhand dealer for prices and demonstrations!

Farmhand ®

FIRST IN FARM MATERIALS-HANDLING

FREE Illustrated Booklets!

☐ Farmhand 6-Ton "Power-Box" ☐ Farmhand 4-Ton "Power-Box"

☐ Farmhand Universal Loader ☐ I am a student

Write: THE FARMHAND COMPANY, Dept. 385, Hopkins, Minn.

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Town_____ State_____

A Division of SUPERIOR SEPARATOR COMPANY

Give baby pigs best feed

Pamper baby pigs up to 50 pounds for top feeding profits, say Iowa State specialists

YOU can make up to $5 more per market hog this year by applying the latest findings in swine feeding tests at Iowa State College.

Key to greater profits is in cutting feed costs, says Dr. Damon V. Catron, swine nutritionist at the college. Eighty percent of your total production costs is in the form of feed bills, Catron says, and it's important that you use feed wisely.

Catron, main speaker at the recent Iowa Swine Producers' Day in Ames, says the life of swine is conveniently divided into stages of growth.

The periods of lactation, pre-starting, growing and the latter part of gestation are nutritionally critical periods.

Catron says you can economize on feed costs at both ends of the life cycle, such as before farrowing and from 50 pounds to market weight. But the very best rations are required from birth to 50 pounds. This is where you should spend your feed dollar.

To make the most money out of swine feeding, research in swine nutrition shows that first, producers should make maximum use of pasture or green cut forage for sows in the summertime. In the wintertime, either corn or grass silage should be given to sows during pregestation.

Second, feed for sows should be specially formulated three to five days before and three days after farrowing. This should be a ration which is rather bulky, low in energy, but highly fortified with vitamins, minerals and antibiotics.

Third, baby pigs should be weaned between two and five weeks of age. For early weaning, Catron suggests weaning between one and three weeks, or from five to 12 pounds of body weight, depending upon your facilities.

Early weaning has many advantages, according to Catron. Removing pigs from the sow earlier greatly reduces losses from being layed on, and sows are easily dried up for selling or rebreeding. Sows that are rebred 14 to 21 days after farrowing don't lose lactation weight, and you don't need to put the usual gestation gain on them.

V. C. Speer, another member of the swine research staff, has drawn up a program for early weaning which has proven successful in tests at the college.

Briefly, here's what Speer recommends for farmers intending to wean their pigs early:

1. Pre-starter period. Self-feed 3½ to five pounds of pre-starter per pig. It's important to use I.S.C. Pre-Starter "75" or its equivalent. Don't expect pigs to be eating well before the second day after weaning.

To teach pigs to eat, show them where feed is located and put a little in their mouths at about six, then again at 24 hours after weaning. One or two "teacher pigs," two or three days older, which have learned to eat will teach newly weaned pigs to eat.

Don't start over 10 pigs per pen. Allow six square feet floor space per pig from one to five weeks. Avoid floor drafts by using solid pen walls. Suspend heat lamps from ceiling near each feeder, and keep a temperature of 80 degrees five inches above bedding. Lower the temperature about five degrees each week to 55 degrees by raising heat lamp.

Keep bedding dry. Provide clean fresh water in automatic fountains. Flush fountains daily.

2. Starter period. Shift to highly fortified sugared starter pellets. Feed 20 pounds per pig. Don't overcrowd pigs. Allow at least one self-feeder space—about four inches—for each two pigs.

3. Grower period. When pigs are five weeks old, sort pigs according to size. Don't put more than 20 pigs in one pen. Allow at least eight square feet of floor space per pig if still in confinement. Feed 50 to 55 pounds of grower ration per pig. After pigs weigh 50 pounds or are about eight weeks old, they're ready for a growing-finishing ration.

When the pigs weigh 50 pounds, cost-conscious farmers should turn to the most economical ration for finishing hogs. You can use the new I.S.C. Pork Costulator along with market outlook information as a guide.

This will determine whether to: (1) self-feed grain and supplement free-choice, or (2) feed the "least-time" ration, the ration which gets the pigs to the market the fastest with less regard for cost of gain, or (3) feed the "least-cost" ration, the one which gives the least cost per pound of gain with less regard for time.

As yet, it never required over 30 days more to get pigs to market weight by using the "least-cost" ration than the "least-time" ration.

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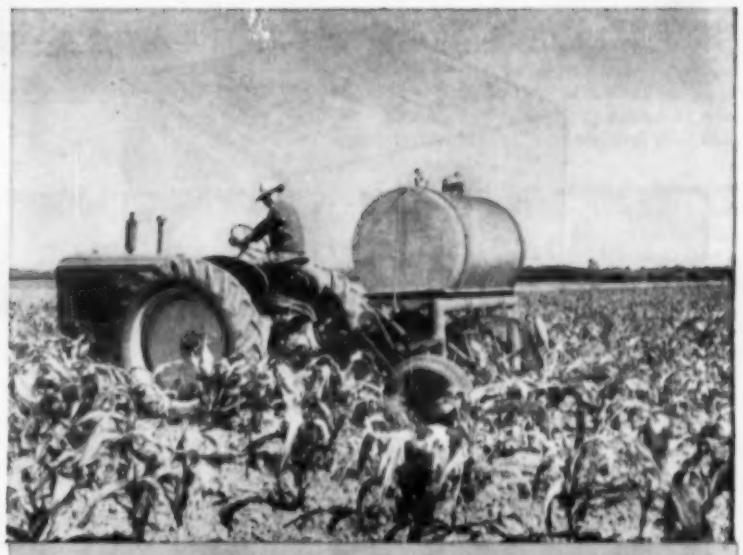

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Workday pointers

HEATED FARM SHOP makes it possible to use chilly February days to repair machinery and speed work next summer.

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COMMON SALT is important to all animals. But salt isn't a complete answer to all mineral needs.

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POOR QUALITY HAY may be eaten better if chopped or ground. But the extra labor isn't necessary with good quality hay.

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SOYBEAN SEED is showing poor germination in some areas. If you have stored beans, test moisture content. And plan to take seed from driest beans. Test before seeding.

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BROOD SOWS should be kept out of yards where fattening cattle are being fed stilbestrol, say Iowa State College livestock specialists. Let stock hogs follow the cattle.

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POULTRY HOUSE that is not insulated and cold should have extra deep litter. Evaporation is slow with low temperatures, and moisture remains in the litter.

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MILK COWS should gain weight quite rapidly during the dry period. Then they'll be in condition for high production after freshening.

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FATTENING cattle fed ground ear corn will do well without hay if enough supplement is fed to fill protein needs.

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TILE LINES may be in danger if brush grows within 20 feet. Tree roots may be a threat at 50 feet. Winter is a good time to cut brush and trees back to a safe distance.

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CHOPPED GRASS for cattle in dry lot will add to the number of cattle a field will support. But farmers say it brings some problems when you have a week of rainy weather.

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IN CHECKING farm machines, look for: loose nuts, worn bearings, cracked castings, broken grease gun fittings, worn chains or sprockets, end play in shafts, lost cotter keys, cracked seat springs, dirt and gum.

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GOOD ALFALFA MEAL gives hogs the feed elements in winter that they get from pasture in summer.

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WINTER SHOPPING for the farm business can save you money and insure that you'll have supplies when you need them. It's a good time to consider purchases of fertilizer, grass and legume seed and farm machinery. If you wait until you need these things, you may have to take what is available at the time.

HAVE YOU LOST the map showing the location of tile lines? They can often be located in the spring as fall plowing dries on top. Soil will turn brown first directly over the tile lines.

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POULTRY LITTER damp despite usual preventive measures? Scatter one pound of hydrated lime per hen and fork it into bedding, says Joe W. Sicer of Purdue University.

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CATTLE GRUBS appear on backs of cattle in February and March. Each one killed with rotenone applications will reduce the heel fly population in April, May and June.

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FARMERS get undulant fever from animals or milk, rarely if ever, from other people. You're most in danger when handling animals. Helping females give birth to young is especially dangerous if animals are infected. But you can get undulant fever from drinking, unpasteurized milk from infected cows.

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ELECTRIC CORDS that are badly worn should be discarded before they cause a short with danger of fire or electric

shock to the one operating the appliance. New cords are cheaper er than accidents.

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ALFALFA MEAL in rations improved gains on fattening cattle in Nebraska, Iowa and Indiana experiments.

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YOU CAN TEST your hog raising efficiency by keeping a record of total feed required for each 100 pounds of live hog sold. If you use more than 450 pounds for 100 pounds of hog, there's something badly wrong. Under 400 means a pretty good job. But with proper breeding, feeding and care 100 pounds of hog can be produced with 325 to 350 pounds of feed. Figures here include feed from breeding the sow to 225 pounds market weight.

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MOST DAIRYMEN think cows need some exercise, even in coldest weather. Many turn them out twice a day regularly. Length of time outdoors is regulated according to the weather.

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IN COLD WEATHER, it's more important to keep the poultry house dry than warm, says Dr. L. E. Hanson of the Illinois College of Veterinary Medicine. Adult birds will do all right, he says, if temperature is above 32 degrees.

Iowa owners say: "More Economical, More Powerful, Easier to Handle"

Massey-Harris 44 Special with 37 plow attached to its new wrist-action Hitch-All

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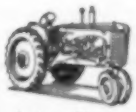

3 plow 33

3-4 plow 44 Special

4-5 plow 55

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DONNELLSON....McCarty & Schuelke
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EARLHAM.....Pitzer Implement Co.
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ELGIN.....Torkelson Motor Company
ELKADER.....Fassbinder Implements
ESTHERVILLE.....Viking Motors

FARNHAMVILLE.....A. J. Tasler
FLOYD.....Poppe Implement Co.
FORT DODGE.The Farm Equipment Co.
FREMONT.....Bureker's Farm Service
GEORGE.....Bruns Implement Co.
GLENWOOD.....Buffington Motors
GLIDDEN.....Bentley Implement Co.
GOODELL....Goodell Farm Equip. Co.
GOOSE LAKE.....Meyers Implement
GRAND JUNCTION....Rueter & Zener
GREENFIELD.....Donnellon Garage
GRINNELL....Pearce Implement Store
GUTTENBERG.....Pattison Garage

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HARRIS.....Purviance Implement
HARTLEY.....Thorne Sales & Service
HAZLETON.....Don's Implement
HENDERSON.....Hendrix Implement
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HUMBOLDT.....Stow-Kerns Co.

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IOWA CITY....Mann Impl. & Appl. Co.
IRETON.....Siouxland Implement Co.

KALONA...Gingerich & Miller Implts.
KEYSTONE.....Davis Implement Co.

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LAMONT.....Smith Implement Co.
LEMARS...Northwest Distributing Co.
LENOX.....Bennett & Son Implement
LEON.....Short Tractor & Implement
LOWDEN.....H. D. Kemmann Sons
LYNNVILLE.....Van's Machine Shop

MADRID.....Farm Supply Store
MANNING.....Manning Farm Supply
MARCUS.....Evans Motor Co.
MASON CITY.....Eco Machine Co.
MAYSVILLE.....Ferris & Mason
MELBOURNE....Watts Repair & Impl.
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MOUNT PLEASANT....Lloyd Peterson & Son
MOVILLE.....Herbold Seed Co.
MUSCATINE..Elder & Vaupel Farm St.

NEOLA.....Krantz Implement
NEW HAMPTON..Rawson Farm Store
NEW MARKET.....Burwell Garage
NICHOLS.....Elder Implement Co.
NORTHWOOD..Jaspers Motor & Impl.
NORWALK....Gideon Sales & Service

OAKLAND.....Turner Implement Co.
ONAWA.....East Onawa Impl. Co.
ORAN.....L. J. Suhr Garage
OSAGE.....Stang Implement Co.
OSKALOOSA.....Van Zetten Impl. Co.
OSSIAN.....M. E. Vyverberg

PACKWOOD.....Harold Dickey
PATON....Mengel Impl. & Farm Sup.
PELLA.....Gary T. Vogelaar
PERRY.....Huss Implement Co.
PETERSON....Ted's Shop & Implement
POCAHONTAS.....Keith Farm Supply
PRESCOTT.....Hethcote Garage
PROTIVIN.....Clet's Farm Equipment

RANDALL..Randall Machine & Welding Shop
RANDOLPH...Bateman Implement Co.
RED OAK.....Farmers Mercantile Co.
ROCK RAPIDS..K. & F. Motor & Impl.
ROCK VALLEY...Vant Hul Motor Sales
ROCKWELL CITY....Small's Implement
ROSSIE.....Joenks Brothers Garage

SAC CITY.....Crabb Implement Co.
SHELBY.....Klahn Implement & Motor
SHELDON....O'Brien County Impl. Co.
SHENANDOAH...Benefiel Farm Equip.
SIBLEY.....Stanton & Mitchell
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SPENCER.....Al. Johnson Impl. Co.
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STORM LAKE.....Cole Motors
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THURMAN..Thurman Tractor & Supply
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TRAER.....Pemberton Implement Co.
TRIPOLI.....Bergmann Hatchery

VINTON.....Davis Implement Co.

WALNUT.....Olsen Motors
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WEBSTER CITY..Hansen Implement Co.
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Fort Dodge Laboratories, Inc., Fort Dodge, Iowa

Divorce Bureau and extension

Half mill property tax may replace $5,000 to $7,000 paid by counties

THE new governor of Iowa, Leo A. Hoegh, pointed to Iowa's immediate problem when he said to the new legislature:

"The people of Iowa desire that their state be a leader. I am confident they are willing to invest their fair share to build a greater Iowa. Increases in taxes are not popular. But we must have the courage to provide the revenue needed for the essential services of the state."

The governor deferred his specific tax recommendations to his February budget message. But he did indicate some things he would favor.

Hoegh endorsed keeping the fifth cent of state gasoline tax for road construction, and increasing the tax to six cents per gallon. The fifth cent was added in 1953 for two years.

He also advocated increasing the agricultural land tax credit fund to pay the tax credits in full.

Also suggested was an appropriation of state funds to pay 25 percent of the cost of local schools. That would increase state aid from $18,917,500 per year for the last biennium to $35,000,000 per year for the next biennium.

The legislature to which the governor was talking has many farm members. In the senate, 16 of 50 list themselves only as farmers. In the house, 49 of 108 list themselves as farmers. In addition, there are a number who list themselves as farmer-bankers or farmer-business men.

In the organization of the legislature, farmers fared well in committee appointments.

Lt. Gov. Leo Elthon appointed Senator J. Kendall Lynes, Bremer county farmer, chairman of the senate committee on agriculture to succeed former Senator Harry E. Weichman, Benton county.

He appointed Senator Harry E. Watson, O'Brien county farmer, chairman of the appropriations committee, which Lynes headed in 1953.

He appointed Senator J. T. Dykhouse, Lyon county, real estate and insurance man, chairman of highways to succeed Watson.

Speaker Arthur C. Hanson named two committees on agriculture. No. 1 is headed by J. Henry Lucken, Plymouth county farmer, and No. 2 is headed by George L. Paul, Poweshiek county farmer.

He made Russell Patrick, Sioux county farmer, chairman of appropriations in place of G. T. (Gus) Kuester, who retired to ranking member.

He made Carl H. Ringgenberg, Story county farmer, chairman of the highways committee, headed in 1953 by Howard C. Buck, Marshall county farmer. Buck was moved to chairman of state government consolidation.

Divorce of the Farm Bureau from the agricultural extension service brings one problem to the Iowa legislature. This separation was ordered by U. S. Secretary of Agriculture, Ezra T. Benson.

The Iowa state law will have to be changed with regard to county appropriations to farm aid associations (Farm Bureau in Iowa).

The Iowa legislature is considering a bill to authorize up to a one-half mill property tax levy for county extension work. County supervisors would make the levy.

If the property tax levy were authorized, the present law would be repealed. Under present law, counties have been paying $5,000 to $7,000 to Farm Bureau and extension service. The extra $2,000 is paid where a home economist or youth assistant is employed.

Under the bill authorizing up to one-half mill tax levy, some counties with low valuations might not be able to raise enough money to support the extension service. In that case, the extension service at Iowa State College might be called on to make some contribution to weaker counties.

Mud-Road Mac

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Today—a century and more later—Indiana's "Maginot Line" of skilled farmers still keeps all 170 acres in superb crop-producing condition . . . with time left over for pampering 40 registered Holsteins and Guernseys.

George Maginot, Sr., and sons, George, Jr., and Joseph, need all the push that two tractors, a combine, their school bus and passenger cars can deliver to keep their profit picture bright. That's why the Maginots have used Conoco products for the past 25 years to hold maintenance costs down . . . keep performance ratings up where they want 'em!

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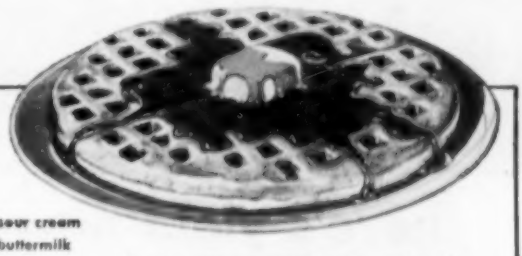
CRISP WAFFLES

by Mrs. Stanley Petermeyer
RFD #3, Clay Center, Kansas

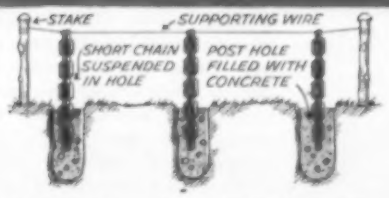


- 2 cups all-purpose flour, sifted
- 1 teaspoon soda
- 1½ teaspoons baking powder
- 1 teaspoon salt
- 1 cup sour cream
- 1 cup buttermilk
- 2 eggs

Sift dry ingredients together, then add sour cream, buttermilk and eggs. Beat for 1½ minutes if electric mixer is used, or for 100 strokes, if by hand. Bake for 3-4 minutes. This recipe makes 8 delicious waffles.

SHEARS FOR RECIPES! Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. L, Conoco Cafeteria, Ponca City, Oklahoma. For each recipe published with your name, we'll send you a pair of Wiss Pinking Shears, worth $8.95. Recipes become the property of Continental Oil Co.

Post Anchors



To make post anchors, dig out desired holes with auger, then on tight wire between stakes, suspend pieces of chain in each hole. Fill holes with concrete, dig out when hard. When using, attach brace wire to anchor chain. Will not rust out! From: F. L. Cashatt, Burwell, Nebraska.

Saws for Ideas!

Send your original ideas to *The Tank Truck*, Dept. L, Continental Oil Company, Ponca City, Oklahoma. If your idea is printed, you'll get a genuine D-15 Henry Disston Hand Saw, worth $10.25. All ideas become the property of Continental Oil Company.

Conoco Super Gasoline with TCP . . . the Greatest Gasoline Development in 31 Years!

Not since the introduction of tetraethyl lead in 1922 has there been such a revolutionary gasoline development as Conoco Super with TCP. By *neutralizing* power-robbing lead deposits which form on spark plugs and in engine combustion chambers, Conoco Super with TCP gives you *all* these benefits: 15% more engine power, greater gas mileage, all the benefits of an engine tuneup and 2½ times longer spark-plug life. Start using Conoco Super Gasoline with TCP and enjoy *all* these benefits!

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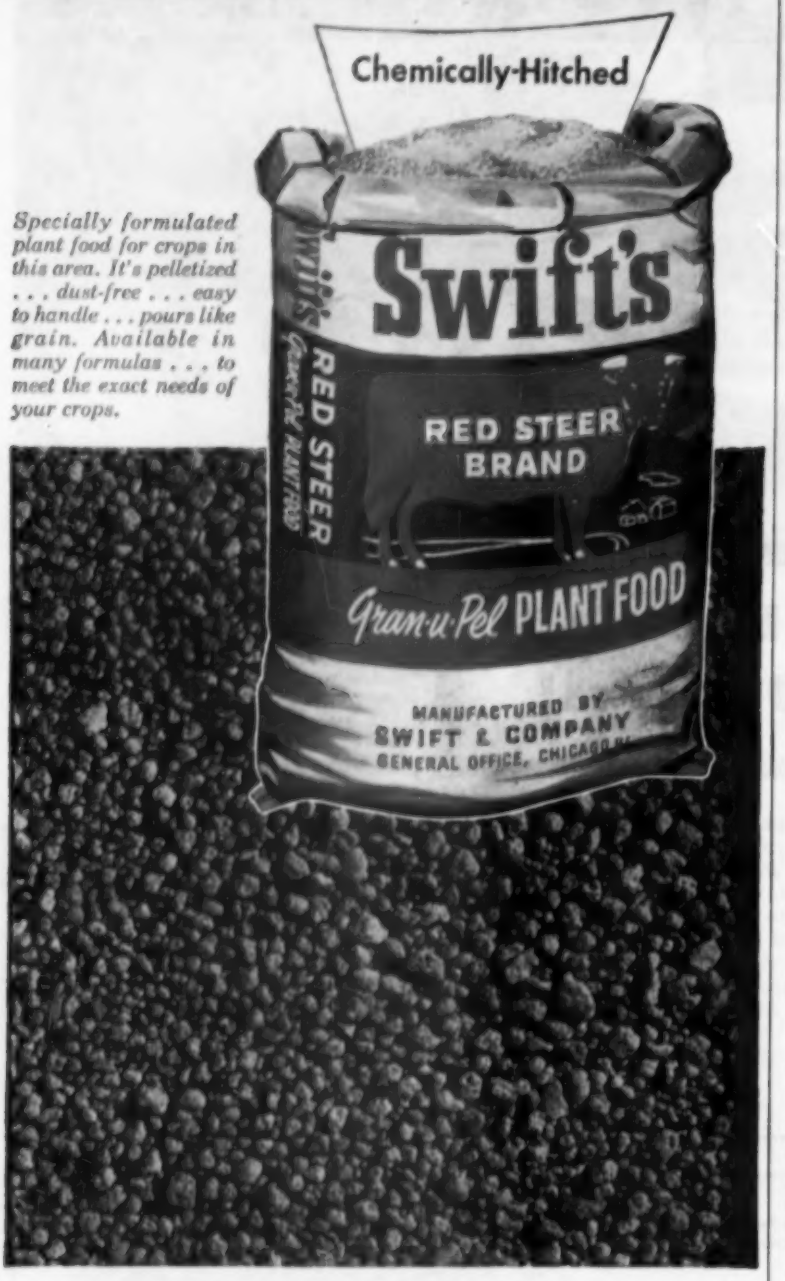
Specially formulated plant food for crops in this area. It's pelletized . . . dust-free . . . easy to handle . . . pours like grain. Available in many formulas . . . to meet the exact needs of your crops.



here's yield-power to produce bonus bushels

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It's granulated—so easy to handle . . . dust-free . . . pours like grain . . . easy to apply in any type equipment, new or old.

Red Steer Gran-U-Pel comes in many formulas to meet the exact needs of your crop. It can help you step up to higher yields.

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See . . . use this new form of Red Steer Plant food. You'll agree it's a pleasure to work with, and you'll discover a new yield-power that produces bonus bushels. Order now!

Swift's PLANT FOOD SERVICE RED STEER

BUY AT THE SIGN OF THE RED STEER

Fencing costs go up fast if you have to replace posts while wire still is good. Leaning posts on this Cedar county, Iowa, farm were installed six years ago. They were replaced last fall with new posts treated with a good preservative. Lloyd Collins sets the post.

Build fences that last

Use treated posts. They'll cut fencing cost over the long pull

UNTREATED wood fence posts don't last long. They go to pieces in five to seven years—sometimes less.

But if those same posts are treated with a good wood preservative, you can count on 20 or 30 years of service from them.

Reason: Wood preservatives like creosote or penta prevent or delay rot resulting from fungi and insect damage.

Specialists at Iowa State College think that failure to use treated fence posts is costing some Corn Belt farmers a lot of money.

College and USDA tests indicate that a one-mile fence of untreated white oak fence costs about twice as much per year as a mile of properly treated posts. That's because the treated posts make the fence last longer.

And fencing costs shoot up pretty fast when a corner post rots out. Chances are you'll have to rebuild most or all of the fence.

Rotting posts are hard on fencing wire, too. Good wire should last 20 years or longer in a sound fence. But its life is shortened when posts fail.

Treated posts cost a little more in the beginning. But the pay-off comes in longer life of the fence. Using treated posts is one sound approach to cutting farm costs over the years.

You can buy posts that have been pressure-treated with either creosote or penta. Or you can treat your posts yourself.

Clarence Hill of Dallas county, Iowa, soaks his home-grown posts in hot creosote. And some farmers soak their posts in penta—which will penetrate the posts without being heated.

Tho relatively new, the cold soak treatment with penta is looked upon with favor by specialists at midwest agricultural colleges. Minnesota and Illinois studies show that the life of such non-durable woods as black oak, pin oak, cottonwood, pine and white elm can be increased two to four times with this treatment. Posts are soaked for 48 hours in a five percent penta solution.

However, results of home treatment vary—depending on how well wood is seasoned and how thoroly the bark has been removed, as well as the "know how" of the man who's doing the work. In general, good pressure-treated posts will outlast home-treated posts.

One advantage of penta-treated posts is that they can be painted. The penta doesn't "bleed" thru.

The number of farmers using treated fence posts has been increasing in recent years. One reason for this is that the supply of durable hardwood, such as Osage orange, is diminishing. Another is that the imported cedar posts which you buy these days don't last as long as the ones you might have bought 50 years ago.

A half-century ago, most cedar posts shipped into Iowa were cut from virgin stands of timber that had grown slowly. Those posts had a high percentage of resistant heartwood. On the other hand, most cedar posts available today are cut from second-growth timber. They have a high percentage of sapwood which is nondurable and rots quickly unless it's treated.

You can buy pressure-treated posts almost anywhere. But it usually pays to buy them from a reliable dealer. Beware of the peddler! His posts might be okay. But they might be treated with only a dark crude oil—which won't prevent rot.

The black color is no sure indication that the posts are properly treated. Penta treatment, for example, may leave the posts a light brown color.

You don't have to have big posts, either, if they're properly treated. For when you use treated posts, you don't have to depend on undecayed heartwood for strength after the sapwood has decayed.

It takes wide-range **AUREOMYCIN***

in a good feed to help

Prevent "Scours"

(caused by bacteria)

Grow *more* healthy hogs *faster*

Don't delay until bacterial infections and stress periods strike down your pigs! Be on guard *in advance*. Take the best possible way to *prevent* losses: Start your pigs off on good feeds that contain *effective* levels of the *most effective antibiotic*—AUREOMYCIN Chlortetracycline. Feed AUREOMYCIN all the way to market. There's no better way to control infectious scours—eliminate runts—get fast, uniform growth. There's no better way to insure hog profits.

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Be sure . . . with complete feeds that contain the most effective antibiotic..... **AUREOMYCIN***
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*Trade-Mark

I WAS JUST FIGURING...

—by Cy Watkins

Watching one of my daughters working around the house the other day. It set me figuring what mighty fine young women we raise on the farm. I was thinking about ALL of the teen-age girls I see on our farms . . . what fine wives they'll make . . . that they're so well equipped to meet the problems of adult life. And what wonderful people they are.

If I were a young farm boy, say in Ag school, I suppose I might be temporarily dazzled by fancy chatter and flattery. But that's only surface stuff. When it comes to taking a life-time partner I'd look right in my own back yard . . . where we grow the best wives in the whole United States.

I figure our girls make better wives because they've had better examples in their homes. There they see a real man and wife partnership in action, and when they're old enough to gather eggs without breaking too many, they become full-fledged partners, too. Our girls know what it means to be useful, productive members of a family team . . . and they're proud to help earn the family bread.

Boys, when it comes time for taking a wife, you'll find a real prize, a solid gold partner, right there on the farm next door. Treat her the way a partner deserves . . . make sure she has the modern labor-saving appliances that her city cousin gets . . . and you'll have yourself one of the finest wives and partners the good Lord ever made.

* * *

CHEEP.
Life Insurance for New Chicks

There's no such thing as life insurance for chickens? Well, I suppose you're right. What we have is even better than life insurance, it's living insurance.

We call it Watkins' T-V Special (Terramycin - Vitamin) and it's a real life-saver for baby chicks (and a money-saver for you). Mix your mash with T-V Special and you get HIGH LEVEL antibiotic protection that really cuts down baby chick losses . . . especially helpful in preventing Blue Comb, C.R.D. and Hexamitiasis.

You know, when those little chicks first arrive on your place they're on the first leg of a long struggle for existence. The very fact that they've been moved from the hatchery puts them in a strain . . . and, that's just the first of many periods of stress they'll be under.

Those first two weeks are real trying ones for you, but remember it's just as "gosh-awful" for them too. Adding T-V Special to their mash in recommended amounts will make it ever so much easier for them to get by . . . it gives them the helpin' hand they need!

Best part of all, this helpin' hand which almost assures you of more livability and better chick starts costs you less than 1½¢ per bird. Get yourself this "Cheap Insurance." Ask your Watkins dealer about his T-V Special.

The J. R. Watkins Co., Winona, Minn.

Houses for early pigs on the L. C. Collins farm, Wright county, Iowa, are pulled alongside a concrete slab. The slab drains to the outside of an 8-inch gutter about three feet wide. Slab is pitched enough to drain liquid. Manure is scraped directly into the gutter.

Early pigs need extra care

Here's help on special problems found among early-farrowed pigs

Some special problems come up in handling pigs farrowed in January or February. Here are some suggestions for early-farrowed pigs from Dr. John B. Herrick, Iowa State College veterinarian.

SOWS will need more grain and protein after farrowing. It's a good idea at this time of year to supplement the nursing sows' rations with a vitamin supplement.

HEAT is essential for newborn pigs. An oil burner can take the chill off your farrowing house. But if your farrowing house can't be fixed for heating by a stove, you will have to depend on heat lamps.

For individual houses, heat lamps are the way to provide supplemental heat. Individual houses should also be banked with straw or some other insulation.

Farrowing crates simplify the job of keeping pigs warm. (See page 11 of this issue for details on farrowing crates.)

MOISTURE is a big problem in early farrowing. Every effort should be made to keep the farrowing house dry. A dry, cold house is better than a warm, wet one. You may have to change bedding often.

During bad weather, exercising the sow becomes a problem. You can make her exercise by forcing her out of the pen every morning. Sows may then develop the habit of dropping their manure outside.

FEED OF SOW should be watched during nursing. If pigs suffer from "white scours," cut down on feed for the sow. Then clean up the pen. Dose each pig individually with an oil can with an intestinal astringent and antibiotics.

ANEMIA IN PIGS can be prevented by providing iron for them. This can be done in several ways. One way is to crush an iron pill on the back of each pig's tongue every third day for three weeks. After this, iron can be given by mixing one pound of iron sulfate, two ounces of copper sulfate and five quarts of warm water. Pour some of this over the pigs' creep feed every day.

You might also use a commercial anemia preventive. Or clean fresh sod in the pen will do.

COUGHING and sneezing in early farrowed pigs can be caused by chilling, by damp, wet pens, by some irritation such as dry dip in the bedding, by infectious rhinitis, or by worms.

Sows should be scrubbed before farrowing. If not, the pig's first meal may include a mouthful of worm eggs. In a few weeks, he'll cough them up into his lungs where they'll continue to irritate him and slow down his gains.

DISEASES such as cholera and erysipelas should be prevented by vaccination. If erysipelas has been a problem on your farm, talk that problem over with your veterinarian. If conditions warrant it, he'll probably advise giving pigs the double treatment at two weeks of age.

To protect against hog cholera, the serum and virus treatment can be given at most any age. But if you're using one of the single shot vaccines, it's wise to wait and vaccinate after weaning.

FEED OF PIGS: Start creep-feeding early. Rolled oats or a commercial creep feed or pig starter can be offered when pigs are only a few days old. Pigs should be eating well when they are weaned.

A wise way to wean is to remove all large, thrifty pigs from the sow first. Leave the smaller pigs to nurse a few days longer.

Early pigs cost more to raise. But they come at a time when you can spend more time with them. And they'll hit a market in July or August that is usually better.

But don't try to raise early pigs unless you're equipped to do so. When you have pigs in confinement, strict sanitation becomes even more important. Feeding antibiotics is no substitute for sanitation.

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Fairfield, Shafer Implement Co.
Forest City, Beck Tractor Co.
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Fort Madison, Holmes Auto Service
Garner, Hancock Farm Equipment
Glenwood, Buffington Motors
Granger, Finestead Implement
Greenfield, Winters Implement Company
Grinnell, Pearce Implement Store
Halbur, Haberhaus Implement Co.
Hampton, Hobbs Implement Co.
Harlan, Vandenberg Motors
Hawarden, Northwest Iowa Seed Co.
Hull, Van's Implement Co.
Independence, Koesser & Son
Iowa City, Mann Imp. & Appliance
Kalona, Kalona Motor & Implement
Keokuk, Tri-State Farm Store
Keystone, Davis Implement Co.
La Porte City, Dvorak Machine Co.
Lineville, Shields Sales & Service
Lohrville, Hickok Sales & Service
Lone Tree, Harbison & Gray
Lynnville, Van's Machine Shop
Mapleton, Oliver Slota's Sales & Service
Maquoketa, Fischer's Repair Shop
Mechanicsville, Hugh Lamont
Melbourne, Lollar Implement Store
Melcher, Bingham Feed & Implement
Miles, Huebner Bros.
Milford, Okaboji Hybrid Corn Co.
Monona, Dickman Implement Co.
Mount Union, Lauer Implement Co.
Nevada, Book Implement Co.
Newhall, Davis Implement Co.
New Hampton, Hennings Implement & Service
New Virginia, Conard Implement Co.
Northwood, Farm Service & Supply
Oran, L. J. Suhr Garage
Osage, Stang Implement
Osceola, Steele Implement Co.
Oskaloosa, VanZetten Implement
Ottumwa, Ray's Garage & Implement
Pella, Witzenburg Garage
Persia, C & M Implement Co.
Peterson, Ted's Shop
Prairie City, Van's Equipment & Service
Protivin, Ciet's Farm Equipment
Red Oak, Bloom & Lindgren Implement
Ridgeway, Ago Motor Service
Roland, Sather Service
Sac City, Crabb Implement Co.
St. Ansgar, Adams Implement & Service
Saratoga, Lubbert's Feed & Implement
Sheldon, Snyder-Meylor Co.
Sioux Center, Lebanon Farm Shop
Sioux City, Gene Reilly Farm Store
Storm Lake, Cole Motors
Story City, Farm Implement Supply
Stuart, Stuart Motor & Implement
Tipton, Brendes Farm Equipment Co.
Traer, Pemberton Implement Co.
Truro, Reed Produce & Feed
Vinton, Alcorn-Farmer Farm Supply
Walnut, Olsen Motors
Washington, Fenn Implement Co.
Waterloo, Waterloo Motor & Implement
Waterville, Kelly Implement Co.
Wauken, Howe Implement Co.
Waverly, West Side Sales & Service
West Amana, Amana Society
West Bend, Schafer Chevrolet & Implement
West Chester, Miller Garage
West Point, West Point Implement Store
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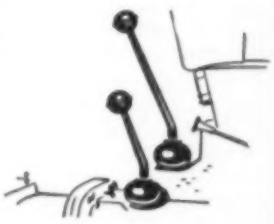
FERGUSON DOES IT AGAIN!

1 QUADRAMATIC CONTROL is a new Ferguson exclusive that lets you raise and lower implements, select draft and maintain a uniform working depth, adjust the hydraulic system's speed of response, hold implements rigidly at desired position—all on the same quadrant, and with finger touch.

2 DUAL-RANGE TRANSMISSION provides wide range of speeds —6 forward, 2 reverse—to allow you to fit the speed *exactly* to the work, whether transplanting, spraying or doing close cultivation in the 35's "creeper" gear. Or plowing or discing in high-range first. Or driving along the highway at rapid transport speeds up to 14 mph.



3 NEW "2-STAGE" CLUTCHING controls *both* tractor transmission and PTO with a single pedal for operating such machines as the baler or forage harvester continuously, regardless of tractor starts and stops. Halfway down on pedal (you don't have to guess, you can *feel* it) disengages transmission *only* while PTO continues to operate. All the way down stops both transmission and PTO.

4 VARIABLE-DRIVE PTO is not just ordinary live power take-off. With the PTO shift you select either the drive that's in ratio to the *ground* speed of the tractor, for such jobs as raking, planting or fertilizing—or, the drive that's in ratio to *engine* speed, for harvesting, foraging, baling or other machine work, demanding continuous PTO operation.

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GIVES YOU POSITIVE 4-WAY WORK CONTROL

Take a *good* look at the first and only tractor ever to out-perform the famous Ferguson "30". It's the new Ferguson "35", and it *does* out-perform any tractor in its field!

It gives you far wider *range* of control, without ever leaving the new "Foam-Float" seat.

It gives you more selective control, to throw weight and power where you need it, to zoom through tough jobs and tight spots, with power to spare.

It gives you more benefits from the Ferguson System, which more closely than ever couples implement and tractor into *one* responsive, flexible unit.

But words are not enough. You must see and *feel* the features which make the Ferguson "35" the most versatile, working-est tractor you ever rode. Call your Ferguson Dealer. Arrange *now* for a demonstration!

PLUS many more features

- Low rpm torque
- Jumbo-size, 14" x 2" brakes
- Both brake pedals same side
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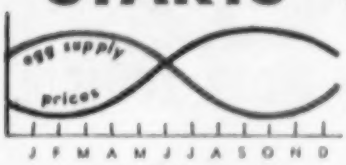


"TIMED-MARKETING" is vital . . . if you are to have a profitable poultry operation. The graph above shows yearly egg supply fluctuations in comparison with the fluctuating price market. Prices are up . . . when the supply is down. Usually, the producer who starts his chicks early reaches peak egg production during those months when prices are highest. "TIMED-MARKETING" can make a profit for you in eggs . . . when others are just "getting by."

Starting your flock replacements early is important . . . but equally important is the feed you give them. Year-after-year feeders of VICTOR Chick Starter raise healthy chicks — chicks that grow and mature fast . . . that develop into good layers early.

In VICTOR Chick Starter . . . you get all of the known nutrients essential to high chick livability and vigor. VICTOR ingredients are carefully measured . . . then blended into a proved-on-the-farm starting feed.

For more profits . . . follow the VICTOR poultry feed way the year 'round.

TIPS FOR GREATER POULTRY PROFITS

You've heard it before — but good management still means the difference between "pin-money" and "worthwhile profits." Remember these pointers:

- Cull hens closely.
- Don't let flocks forage for themselves.
- Sell on a graded basis.
- Large flocks usually result in greater profit per hen (provided you replace the poor producers).
- Adopt a recommended feeding program (VICTOR has it) . . . then stick to it.

GET THIS NEW POULTRY PROFITS GUIDE . . . FREE!

ASK YOUR VICTOR DEALER . . . OR WRITE DIRECT TO US

VICTOR FEEDS

THE CRETE MILLS — CRETE, NEBRASKA

Division of the Lauhoff Grain Co.

Service bureau

Social Security Tax For Hired Man

To the Editor: I have a hired man. He gets $200 cash wages per month. How often do I pay his social security taxes? — F. C., Minnehaha county, South Dakota.

You send your hired man's social security tax to the Collector of Internal Revenue when you have withheld $50 from his wages as social security tax. You will add an equal amount and send in the $100 cash each time the total reaches $100.

Since you have only one employee, and his pay is $2,400 per year, you would make only one report at the end of the year. One report is all that is required if your total payroll is $2,500 or less a year.

Farm employers have been paying hired men's social security tax at the end of each quarter. But the above changes are in effect now, according to the Des Moines social security office.

Wants Clover Seed Tested

To the Editor: Where can I send clover seed to get a germination test? How much seed is needed? How should I take the seed sample, and how should it be mailed?—C.G., Crawford county, Iowa.

Clover seed sample should amount to about four ounces. You can have your clover seed tested at the Iowa State College Seed Laboratory, Ames, Iowa.

If seed samples are to be mailed directly from the farm, bags or tin boxes are the best containers for seeds, sent by mail, but heavy paper seed packets are satisfactory. Regular letter envelopes are no good because they break and permit loss of seed.

The larger the lot, the greater the care needed in sampling. Bulk lots in a bin should be sampled in many places—on top, near the bottom, on the sides and in the center.

Samples from all or several bags of a lot are necessary when seed is stored in bags. If not more than five bags are involved, a sample should be drawn from each one. When more bags are included in the lot, at least every fifth bag should be sampled, and fractions should be taken from more than one place in each bag that is sampled.

The bulk sample obtained by the several smaller samples should be thoroly mixed and stirred, then subdivided until you get a representative sample of the proper size for mailing.

To Sell Inherited Real Estate

To the Editor: When can I sell a farm which my father left me? He died Jan. 1, 1955. —G.K., Jones county, Iowa.

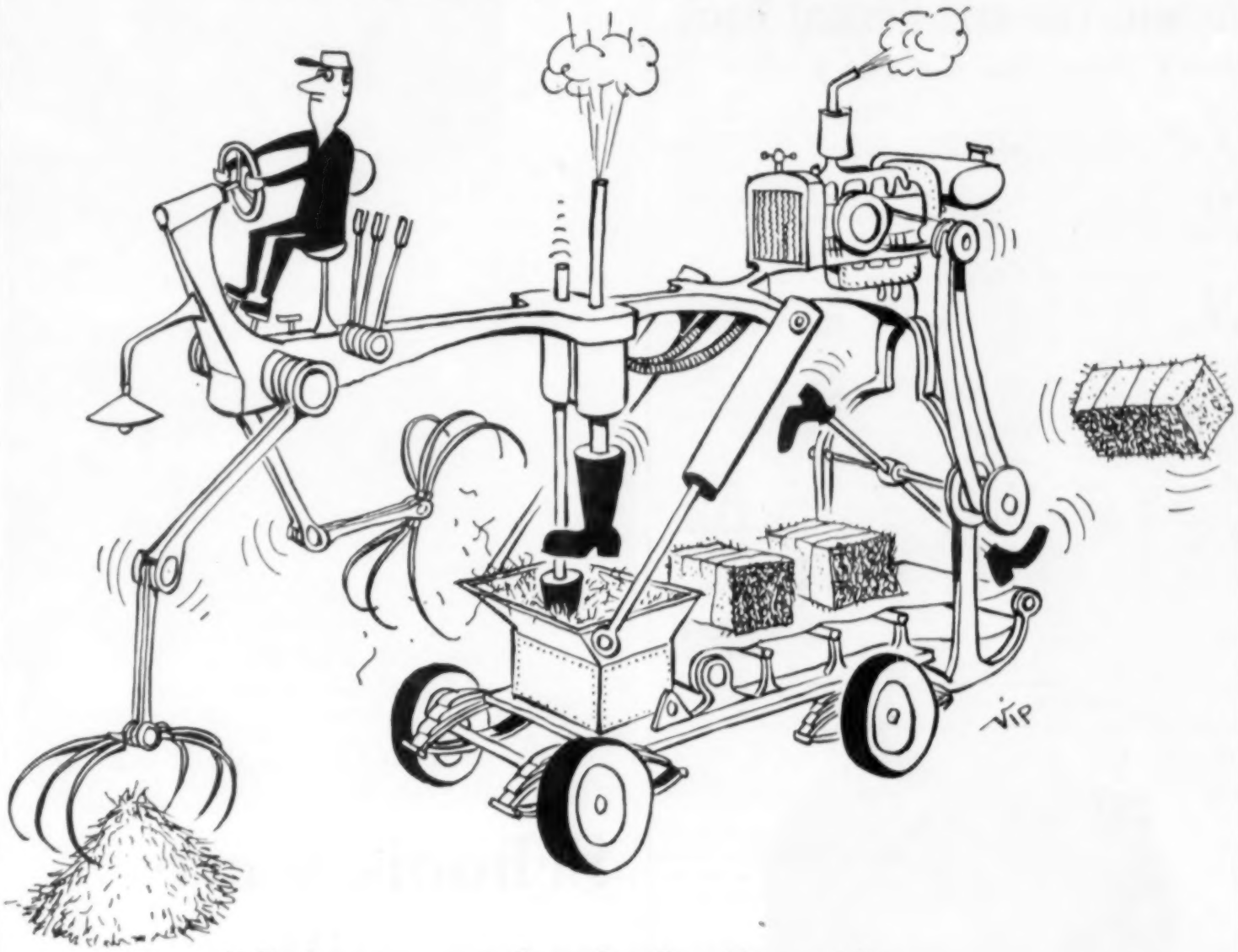
You can't give a good title if you sell the property before the estate is closed. An estate can be closed in a minimum of six months, and no maximum time is set.

In some situations where there are guardianships, trusts, or certain real estate transactions involved, it may take a period of years before an estate is closed.

You can sell the property and if the purchaser is satisfied that ample funds remained in the estate to pay all debts, he could accept title. However, under the law, the property is subject to the liability of being recalled into the estate for sale for the payment of debts, says the Service Bureau attorney.

"You folks drove a long way today, and I expect you'll want to hit the hay early."

What'll they dream up next?



If it needs lubrication— your Mobilgas-Mobiloil Man has the answer!

Mechanized—with a capital M! That's today's farm. You don't have to bed down or feed a team of horses, but you do have to grease, oil and fuel the many machines that turn out the work. And here's where your Mobilgas-Mobiloil man comes in. He has a complete line of unsurpassed Mobil Farm products—endorsed by leading farm machinery builders. He delivers right to your door. What's more, he knows the lubrication requirements of every farm machine.

Why not call in your Mobilgas-Mobiloil man today?

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1. 17 chapters of down to earth practical discussion on all types of farm income tax problems . . . with all changes pertinent to the New Internal Revenue Code of 1954.

2. 22 pages designed especially for keeping track of all farm sales and expenditures . . . arranged for easy transfer to your income tax form.

3. A question and answer section discussing the questions that are asked most often by farmers. You get sample income tax blanks, depreciation schedule for farm property, family and net worth statements.

Your 1955 "Farmers Tax Saver" is written by Jack Miller, former attorney for the Office of Chief Counsel, Internal Revenue Bureau. He is past chairman of the Committee on Tax Problems of Farmers of the American Bar Association. Available by December 15th, your 1955 "Farmers Tax Saver" will be mailed to you just as quickly as they are off the press. Place Your Order NOW!

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Please send me.....copy/copies of 1955 Farmers Tax Saver. Enclosed is $1.00 for each copy ordered.

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Clip This Coupon

Young appetites are wading into the milk surplus—via the government's special school milk program. Pictured is Clark Westvold, an eighth grader in one of the Story county, Iowa, schools taking advantage of the milk program.

Schools serve more milk

Consumption up 85 percent in first three months of special milk program

MILK consumption in Iowa schools has almost doubled since the government's special school milk program went into effect last fall.

That's the word from C. W. Bangs, director of Iowa's school lunch program.

Bangs estimates that the amount of milk served in Iowa schools during October, November and December was about 85 percent greater than during the same months of 1953.

He says some schools with hot lunch programs are serving more than twice as much milk as they were serving a year ago.

More than 900 Iowa schools now are participating in the special milk program. And applications still are dribbling in at the state school lunch program office.

"Some schools have been held back due to lack of refrigeration facilities," Bangs explains. "They just couldn't handle the extra milk." Many of those schools now are getting into the program.

Most of the 903 hot lunch schools in Iowa now are in the special milk program. Also included are about 150 schools which do not serve hot lunches.

Several one-room rural schools are taking advantage of the special milk program, Bangs says.

In some of these schools, milk is purchased from milk routes which go by the schoolhouses. In others, the teacher picks up the milk at a dairy and takes it to school with her.

Under the special milk program, hot lunch schools are reimbursed four cents for each half pint of milk used in excess of what might have been served if the new program did not exist.

Schools that have no hot lunch programs get three cents from the government for each half pint of milk served.

Iowa was allotted $733,229 of CCC funds for use in the special milk program. Will all of that money be used up this year? Not at the present rate of consumption in schools, Bangs says.

So there's room for more schools in the special milk program. Your school still can be included—if it isn't already.

"If You're Moving

TELL US"

Tell us in advance so we can see that Wallaces' Farmer and Iowa Homestead gets to your new home promptly. Use this coupon to give us both your old and new address.

NAME_____

Moving from

TOWN_____

(OLD ADDRESS)

Rural Route_____

Moving to

TOWN_____

(NEW ADDRESS)

Rural Route_____

There's a Lot of Satisfaction in a JOHN DEERE Plowing Job

Ask your John Deere dealer for complete information on the various types and sizes of John Deere Truss-Frame Plows, including the two "pick up and go" integral plows shown above. The No. 412 (left) takes full advantage of the hydraulic Load-and-Depth Control of John Deere "40" Tractors. The No. 813 (right) is one of the many quickly interchangeable implements for use with the John Deere No. 800 Hitch on larger John Deere Tractors. Both are available either with conventional bottoms or John Deere High-Speed Light-Draft Bottoms.

THERE'S REAL SATISFACTION in finishing a job with a John Deere Truss-Frame Plow and stopping for a moment to inspect your work. It looks mighty good, and you know that its quality—like the quality of your John Deere Plow—goes all the way through. Your plowing cost is pleasingly low, and you're not tired out, as you would be if you'd had to "fight" a poor plow all day.

Three Big Reasons

John Deere Truss-Frame design . . . an unusually wide range of precise adjustments . . . John Deere High-Speed Light-Draft Bottoms—these are three big reasons why you can't buy a better plow than a John Deere. No other plow combines shock-absorbing strength, rigid alignment, and trash-shedding clearance more effectively than a John Deere. No other plow is more adaptable to field and working conditions, or is easier to adjust. No other plow bottoms can beat John Deere High-Speed Bottoms for fast, *good* work combined with fuel and plowshare economy.

Many Added Features

But that's not all—John Deere offers such important features as "line of draft" and *"pick up and go"* hitches . . . trouble-proof safety trip standards . . . fewer wearing parts . . . replaceable chilled axle sleeves . . . rear axle pivot lock . . . and many others which prove that John Deere Plows are built by craftsmen with your best interests as their guide. Get complete information from your John Deere dealer. Mail the coupon for free literature.

Choose a John Deere Truss-Frame Plow, and you can expect the same fine work as is being done by the No. 66H and No. 55H shown below.

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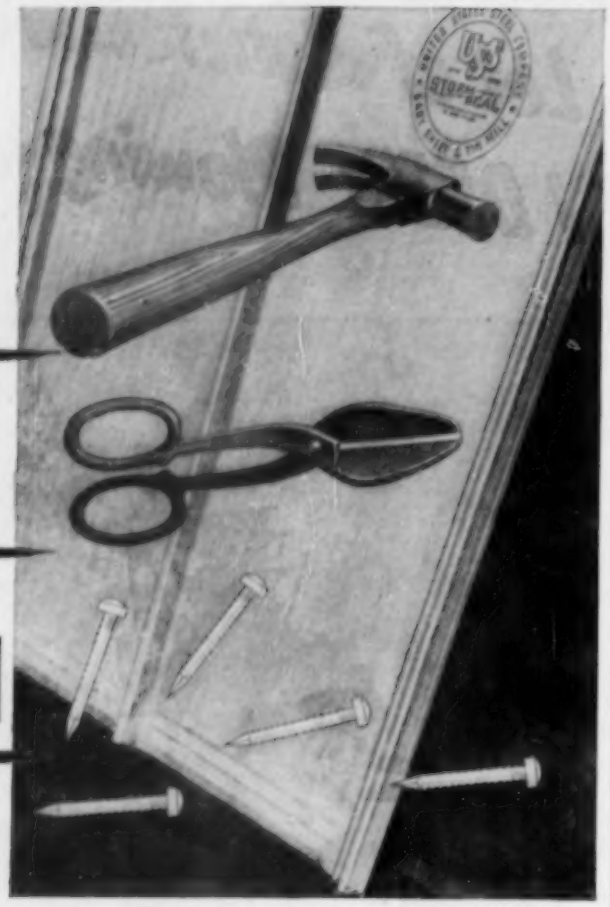

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...with USS STORM SEAL

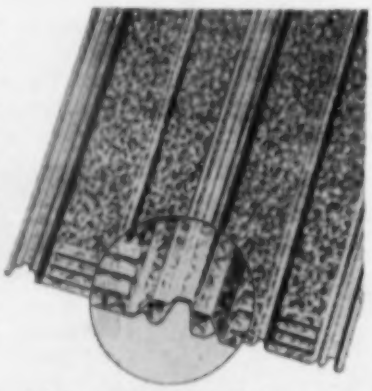
Whether you plan to lay StormSeal on top of your old roof or on new construction . . . hammer, nails, a pair of tin snips, and you're ready to go to work. With StormSeal it's *easy* to give your barn that clean, uniform appearance.

StormSeal is available in both the standard commercial galvanized coating, and the extra-heavy, extra long life *Seal of Quality* coating. Your StormSeal dealer handles a complete line of accessories, to give your installation a "custom-fit" look.

In addition to StormSeal, U. S. Steel also makes top-quality 1¼" and 2½" corrugated and 5-V Crimp Sheets for roofing and siding.

Look at StormSeal the next time you visit your dealer. You can't beat it for fire, weather and corrosion protection, and it's tops in lightning safety when properly grounded. It lasts for years. Don't forget to look for these five distinctive features available only in StormSeal:

1. **Pressure Lip.** Slight depression in lower end of sheet for pressure contact between overlapping sheets at end laps.
2. **Triple Cross Crimp.** Three dams stop rain from being blown under end laps, or drawn in by capillary action.
3. **Twin Drain.** Double safety drains trap any moisture that might get into lap areas and drain it off.
4. **Flat Top Seams.** Make nailing easy.
5. **Tension Curve.** Slight arch to each sheet makes it fit snugly to roof decking.



USS StormSeal is made from steel sheets coated with a certified, uniform, protective zinc coating, produced in accordance with American Society for Testing Materials Specification ASTM A-361.

UNITED STATES STEEL CORPORATION
525 William Penn Place, Pittsburgh, Pa.

USS STORM SEAL

USS

UNITED STATES STEEL

SANITATION, not a fancy barn like this, is what produces high quality in milk. Lower cost buildings will do just as well.

Cut your dairy work by half

Test shows building and labor costs for grade A milk can be cut in half

ARE YOU an average dairyman producing grade A milk? If you are, then how would you like to produce the same quality milk with half the work? And with half the building and equipment investment per cow?

It isn't hard to do, according to a recent United States Department of Agriculture study. The study was made in the St. Louis, Mo., milk shed.

The three-year study was set up to answer two questions: (1) How do dairy buildings and equipment affect milk quality? (2) What is the most economical investment in labor, buildings and equipment for producing high quality milk?

First, the study showed what most good dairymen already know. Sanitation is the key to producing quality milk.

Once good sanitation is established, changes in buildings and equipment made little difference in milk quality. In fact, cutting building and equipment investment in half made no change in milk quality.

Separating the milk handling room from the milking area did not affect milk quality.

Using bucket milkers and conventional stalls compared with pipeline milkers and elevated milking stalls made no change in milk quality.

Even when milking was done on an earthen floor in an open shed without an enclosed milk handling area, most samples met grade A standards.

A preliminary report on the study says, "Structural facilities were not of major importance in producing high quality milk." It goes on to point out that regulations prescribing specific details of buildings and equipment are of little importance in determining milk quality.

Effective sanitation in the study was obtained by following established practices. Some important ones were (1) properly cleaning cows before milking, (2) promptly and adequately cooling the milk, and (3) using both chemical and mechanical means of keeping equipment clean.

The report went on to say that size of herd and amount of labor used per cow had little effect on milk quality.

Dairy farms in the study averaged about 155 hours of work per cow per year at the start. When labor saving changes were made, labor dropped to less than 60 hours per cow per year.

Big cuts in labor came from (1) pipeline milking with elevated stalls, (2) use of a separate preparation stall to get cow ready for milking, (3) bigger herd size, (4) ground level storage of feed and bedding, (5) separation of dry stock from the milking herd, and (6) planned arrangement for feeding and handling animals.

Use of two elevated milking stalls and pipeline milkers made labor more efficient.

When use of a preparation stall was included, one operator could milk 25 to 30 cows per hour.

When cows were milked in conventional stalls the operator milked only 17 to 22 cows per hours.

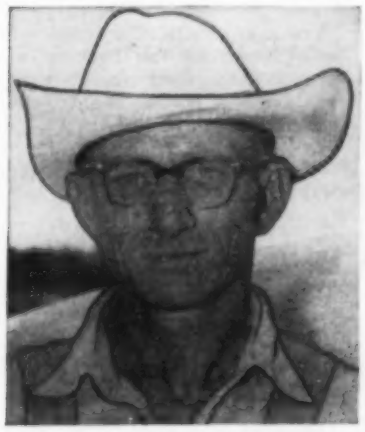
Now about buildings and equipment. Costs of a new setup figured about $200 per cow for 20 to 30 cows. This is just over half the cost of rebuilding the conventional facilities commonly found on farms producing grade A milk.

Buildings included an open shed for loose housing with paved lot, ground level storage for hay and silage, elevated milking stalls and milk handling room. Equipment included pipeline milking setup, spray cooler, water system including heater, and other facilities.

Before you remodel or build new dairy equipment, it will pay to check into low cost construction. Maybe it will pass your local regulations.

What'll They Weigh?

VIRGIL BENDER of Prole, Iowa, is one hogman who knows how to push his hogs from birth to market. He not only follows a good feeding program, but applies good common sense to raising hogs. Little things such as providing plenty of clean fresh water and adequate housing space are a "must" in his hog program.



Virgil Bender, Prole, Iowa

What do you think his pigs, illustrated above will weigh? At the time this picture was taken, these pigs were about 100 days old, and they averaged around 150 pounds. Previous weighings showed these pigs weighed 30 lbs. at 30 days, and were weaned at seven weeks of age, weighing 61 lbs.

Briefly, here's Bender's hog feeding plan. Wean the pigs at seven weeks of age. Start the little pigs at a few days of age on Foxbilt "Super Pig" Starter. Then after a few weeks, he gradually changes over to Foxbilt Pigtrate and corn. He finishes them on this potent ration, adjusting the proportion of corn as the pigs become heavier.

Bender seems to push his hogs to market with amazing speed and excellent feed conversion. His previous bunch of pigs—83 pigs from 9 sows—were 5 months and 2 weeks of age when they went to market. Sixteen head averaged 259 lbs., and 16 lighter ones tipped the scales at 231 lbs. Bender used about 8½ bushels of corn per pig, from start to finish.

Virgil Bender is just one of thousands of hog raisers who have discovered that "Hi-Energy" feeding with Foxbilt "Super-Pig" and Pigtrate produces amazingly fast gains at low cost. Day after day, reports are coming in from enthusiastic hog raisers who tell how they weaned pigs of over 50 pounds on "Super Pig" Starter, or how they produced prime market hogs in a little over five months with Foxbilt Pigtrate and corn.

Results like these are the only thing that count with hog raisers who are out to get maximum profits on their hog raising operations. The ad on this same page tells more reasons why you can expect Foxbilt Hi-Energy "Super Pig" Starter to produce equally amazing results for you. You get more for your money—more pork-producing nutrients for your pigs—and more profit for you when those hogs go to market. Little wonder that Foxbilt Feeds are "Famed for Results."

(Advertisement)

"SUPER PIG"

FOXBILT

"SUPER PIG" STARTER

Packed with

PIG POWER

and

BABY PIGS REALLY GO FOR IT!

Foxbilt "SUPER PIG" Starter has plenty of taste appeal to get baby pigs started on their first solid food. "SUPER PIG" Starter is heavily fortified with antibiotics to get pigs off to a quick start. It has plenty of rolled oats to keep them coming back for more. High quality proteins like unextracted liver meal, blood meal, etc., give "SUPER PIG" stepped up pig power

Your pay-off will be big, husky, thrifty pigs that tip the scales at up to 50 and even 60 pounds at weaning time (8 weeks). And it usually takes only one 50-lb. bag of "SUPER PIG" to get each pig up to about 50 lbs. That's economy! You can also get "SUPER PIG" results by mixing Foxbilt Pigtrate Pre-Mix with your own corn.

Doubly Guaranteed!

Foxbilt "SUPER PIG" Starter is made right in your own locality by a Foxbilt Franchised manufacturer. You have his guarantee — plus the Foxbilt guarantee of the quality of this amazing pig starter and the results it will produce for you!

TRY FOXBILT "SUPER PIG" STARTER

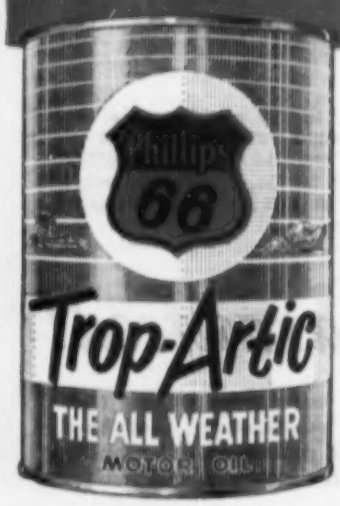
FOXBILT FEEDS

DES MOINES IOWA

Want a new rod and reel?

Buy them with money saved on oils and greases with the

PHILLIPS 66 ADVANCE ORDER PLAN



You won't have to fish very long before you haul in some big savings. You can land these savings right now if you order your Phillips 66 Motor Oils, Gear Oils and Greases, and set a delivery date before May 31, 1955. The single delivery saves us time, trouble and handling expenses. And we pass these savings on to you in the form of lower prices. So call your Phillips 66 Distributor today.

Get your order in NOW!

- **Generous Discounts . . .** even on orders as small as 15 gallons.
- **Top Quality Products . . .** including new Phillips 66 Trop-Artic All-Weather Motor Oil.
- **No Down Payment . . .** arrange for payment at time of delivery.
- **Price Protection . . .** you have no worry about price increases, but you benefit from price reductions.
- **Assured Supply . . .** the products you want when you need them.

PHILLIPS PETROLEUM COMPANY

Fit records to new tax law

Write down soil conservation expenses, date buildings and livestock acquired

FARM bookkeeping is affected by three important changes in U. S. income tax laws and rulings. They relate to (1) soil conservation expenses, (2) depreciation, and (3) sales of dairy and breeding stock.

Some of these changes were made by the 1954 income tax law. Others came ahead of that. Let's see what you need to write down in 1955 to take advantage of all possible tax reductions.

Conservation expenses: Every cost related to saving soil and water should be written down. For they're deductible either currently or as depreciation.

The following expenses on "land used in farming" are deductible in full in the year incurred (up to 25 percent of gross):

Costs for leveling, grading, terracing and contour furrowing; also costs for construction, control and protection of diversion channels, drainage ditches, earthen dams, watercourses, outlets and ponds; and costs for eradicating brush, planting windbreaks, and other treatment or moving of earth.

Deductible as depreciation are: costs of masonry, tile or wood structures; also costs of appliances and facilities such as tanks, reservoirs, pipes, wells and pumps.

Depreciation Changes: New rules make it important to write down the exact date when new buildings or new farm machinery are acquired. For age affects the amount of depreciation allowable.

For example, new buildings or machinery acquired in 1954 can be depreciated under new, fast depreciation rates. But older items must be continued under the old slower rates.

And grain storage buildings acquired in either 1953 or later years can be depreciated at an even faster rate. They call it amortization. The total cost can be written off in five years.

So it's important to write down details of new machinery purchases, and new buildings bought or built. You'll need the record for making your return, and if your income tax return should be questioned.

Dairy and Breeding Stock. Date of purchase or date of birth should be written down on any animals kept for dairy or breeding purposes. You need to know when you've held them 12 months. Then only 50 percent of profits from sale are taxable.

A separate list of animals held for dairy and breeding purposes should be kept up to date in each year. Purchased animals are subject to depreciation.

The new record book described below has pages for the new information required by the new tax law and recent changes in income tax rules.

Our New Record Book

Saves Taxes, Time and Money

Jack Miller is the author of the "Farmers Tax Saver." Mr. Miller is a tax specialist with law offices in Sioux City, Iowa, and Omaha, Nebraska. He has been with the Internal Revenue Bureau. And is past chairman of the American Bar Association's Committee on Tax Problems of Farmers.

HERE'S HOW FARMERS TAX SAVER CAN HELP YOU

1. **Provides 22 pages for writing down farm receipts and expenses. Special sections for information required in new tax law.**
2. **Tells you what's taxable, what's deductible. Over 40 pages of income tax explanations.**

AND HERE'S HOW YOU CAN GET YOUR COPY OF FARMERS INCOME TAX SAVER

Send $1 to Income Tax Editor, Wallaces' Farmer and Iowa Homestead, 1912 Grand Avenue, Des Moines, Iowa. Order today. Your copy will be mailed postage free.

FORD ANNOUNCES—

Greatest FORD TRACTORS ever!

—TWO NEW POWER SERIES

800

Full 3-Plow Power

—watch the work fly!

If you want all of Ford's fine features in a bigger, more powerful tractor, then you'll want to see and try a new 800 Ford Tractor. With a powerful new 800, you can pull three plows with ease—do six days' plowing in four . . . all at a low cost per acre! You'll find dozens more advantages in the 800 series, including Ford's new 5-speed transmission . . . comfortable Rest-O-Ride seat . . . an advanced hydraulic system with 3-point linkage . . . live power take-off* controlled from the regular clutch pedal . . . and much more! So look 'em over. It's worth a trip to your Ford Tractor dealer's!

**Standard equipment on model 860*

600

Full 2-Plow Power

—with new features!

Plenty of power for most farm jobs, with real operating economy . . . that's the new 600 series Ford Tractor. For Ford's "Red Tiger" engine is designed and built to provide high power output with exceptionally low fuel consumption. And you'll find just the combination of tractor features you want in the three different models available. And all the advanced 600 models have step-ahead features for faster, easier, better farming. See them now!

TRACTOR AND IMPLEMENT DIVISION, FORD MOTOR COMPANY, BIRMINGHAM, MICHIGAN

Ford Farming

GETS MORE DONE . . . AT LOWER COST

Ford TRACTOR

Select your fertilizer carefully . . . use it generously. That's the surest way to get *extra* bushels of corn and small grains . . . *extra* tons of mineral-rich forage and pasture grasses. Remember, the more you produce, the less your cost per acre and the greater your returns . . . up to $6.00 or more for every dollar invested in fertilizer.

It's important to choose your fertilizer on the basis of dependable quality and proven effectiveness. That's why thousands of farmers insist on well-balanced *International Fertilizers* in regular or multiple strength grades. They know from profitable experience that these quality plant foods deliver the crop-producing power that stimulates vigorous early growth and top yields.

Call your *International Fertilizer Dealer* and place your order now. Then you'll be sure of getting the exact grades and tonnages you need. Order *now*, for *Satisfaction at Harvest Time.*

best investment you can make

choose from these multiple strength grades

12-12-12 10-10-10
8-16-16 5-20-20
4-16-16 0-20-20
0-50-0

PLANT FOOD DIVISION
INTERNATIONAL MINERALS & CHEMICAL CORPORATION
GENERAL OFFICES: 20 NORTH WACKER DRIVE, CHICAGO 6
District Sales Offices and Fertilizer Manufacturing Plants at Chicago Heights, Illinois and Mason City, Iowa

What's New

For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines Iowa. (More "What's New" articles for farm and home will be found on page 82 of this issue.)

New tillage jobs are made possible with crawler type tractors. Deep subsoiling as shown here is one. New farm management methods may also result from labor saving, and the ability of crawlers to operate more days per year. This crawler features quick change from dozer to tool bar for various farm operations. Made by International Harvester Co. Announced by Herman M. Brown Co.

Aluminum nail, designed as a skewer, carries oven heat to center of potatoes, and reduces baking time. It's a special nail with hard finish, easy to clean. Can be used for roasting beef or poultry. Made by Nichols Wire and Aluminum Co.

Hot and cold water flow from this electric unit. Bigger pressure tank holds cold water, 12-gallon tank for hot water. Adjustable thermostat. Can be used for small homes, milk houses and other places where demand for hot water is limited. Made by Dayton Pump and Mfg. Co.

Hog holder is designed for swine of all sizes. Easily moved from one place to another. Will catch six to eight per minute. Uses are for detusking boars, ringing pigs, castrating and vaccination. All metal, weighs 99 pounds. Ranger automatic hog holder is made by Delphi Products Co., Inc.

WAYNE does it again!

SAVE MONEY on CHICK STARTING & GROWING FEEDS

FOLLOW THE

3R's FOR CHICK SUCCESS

Start 'em RIGHT

Sound, early growth makes for sturdy bodies and digestive systems ... the first step in building strong, early-maturing birds.

Keep 'em ROBUST

Birds need sound nourishment in highly palatable form, day after day, if you want them well-fleshed, thrifty and able to "keep coming" without lag or let-down.

Grow 'em RUGGED

and Ready to Lay!

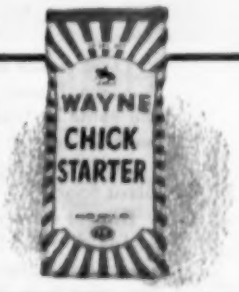
At 20th week, bird should have everything she needs—vigor, body size, thriftiness and well-developed egg organs—to start laying and paying without delay.

See Your Wayne Feed Dealer NOW While Money-Saving

FEED PURCHASE PLAN*

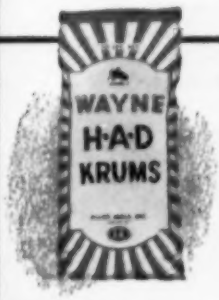
Is In Effect!

Save money on feed from the very first day you start your replacement chicks ... *save* thruout the growing period ... *save* as you bring your new laying flock into production, ready to lay and pay ... with powerful Wayne Starting and Growing Feeds, *available for a limited time* on a money-saving "Feed Purchase Plan." Ask your Wayne Dealer for full details today!



FEED 3 LBS. of WAYNE CHICK STARTER

Over 2 dozen powerful ingredients (including 3-Nitro and Vitamin K) blended into a "High Energy" formula that starts chicks fast! Available with medication at preventive levels for Coccidiosis control. Mash or Krum form.



FEED WAYNE H-A-D *(High Antibiotic Diet)* KRUMS AS NEEDED

The new Wayne "trouble-shooting" feed that has sky-rocketed to immediate popularity because it *boosts feed intake when birds need it most.* Contains high antibiotic level to help birds over "rough spots" in life cycle.

FEED WAYNE GROWING MASH TO 20th WEEK

"High Energy" fortified to build pullets with the ability to pay you back fast with early eggs. Only 7 lbs. plus 10 lbs. your own grain builds a "Profit Pullet," ready for Wayne Egg Mash and steady, high production.

See Your Wayne Dealer...Order Now and Save

*Wayne Chick Starter, Wayne Starter & Grower, Wayne Growing Mash and Wayne Universal Grower are the 4 feeds available on this special plan until August 31, 1955

WAYNE FEEDS

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ALLIED MILLS, INC., Builders of Tomorrow's Feeds...*Today!*

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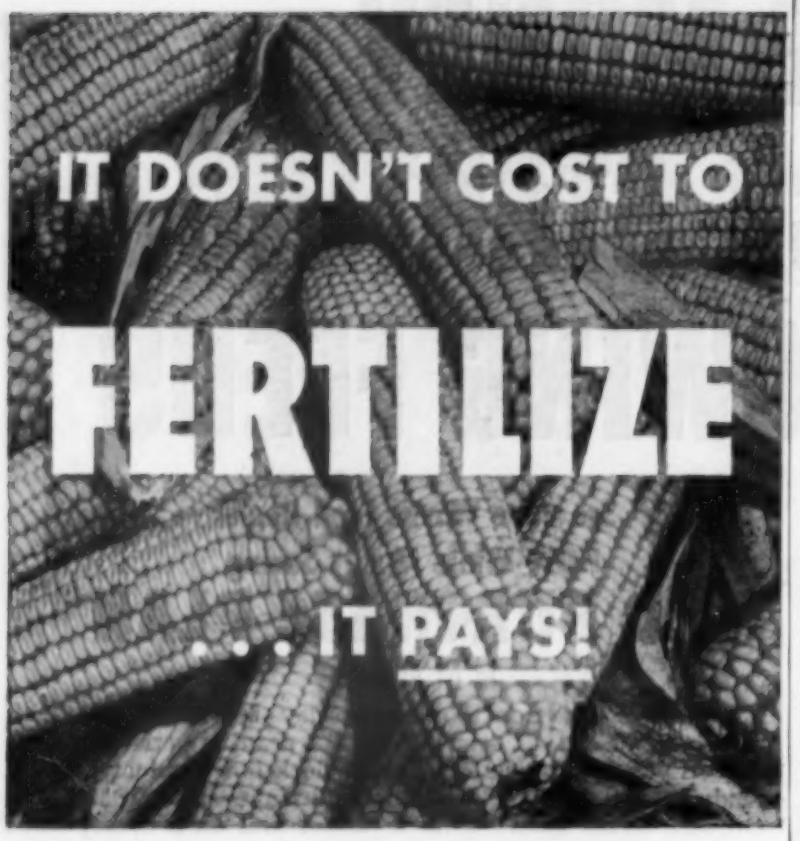

HIGH yields definitely pay. Fixed costs of farming, for machinery, labor, interest, and taxes, stay nearly the same on each acre of land, whether the yield is 15 bushels or 100 bushels.

The way to get higher yields is to feed the crop more plant food.

Bigger crop yields mean bigger profits . . . bigger crop yields depend largely on the early start of the plant and good even growth. For this early start and even growth you must have plant food that is readily available. DAVCO Granulated Fertilizer gives you uniform distrubution and furnishes plant nutrients which are readily available to the growing crop.

Assure yourself of high crop yields this year by ordering your DAVCO Granulated Fertilizer now. Your DAVCO Agent has the recommended grades . . . use amount per acre as recommended by your State College.

Progress Through Chemistry

DAVISON CHEMICAL COMPANY

Division of W. R. Grace & Co.

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Plants located at: Alliance, Ohio* • Baltimore, Maryland • Columbus, Ohio Findlay, Ohio • Lansing, Michigan • Nashville, Tennessee • New Albany, Indiana • New Orleans, Louisiana • Perry, Iowa • Savannah, Georgia* Joplin, Missouri* • Trenton, Missouri* • Tulsa, Oklahoma* • Wilmington, North Carolina* • Charleston, South Carolina* • Spartanburg, South Carolina* Fort Pierce, Florida* • Jacksonville, Florida*

**DAVCO Granulated Fertilizer not available at these plants.*

Who educates your kids?

Half of Iowa's farm people have given up school citizenship, says this writer

Reorganize school districts? Here's one view—as presented by Dr. M. L. Cushman, until a few months ago professor of education at Iowa State College. Dr. Cushman is now dean of education at the University of North Dakota. This article presents an argument for reorganization and suggests a possible approach.

FARM families in more than half of Iowa have given up their educational citizenship.

Their school districts no longer operate schools. They send their youngsters to schools operated by nearby districts.

And this has happened in a state and nation that believes in local, democratic, citizen control of education!

Even school districts which continue to operate one-room schools are failing to fulfill their educational responsibilities. Let's look backward a century or more to when Iowa school districts were organized.

The small districts could and did provide what was considered common schooling of that time—eighth grade education. But now, a high school education is regarded as common schooling. All of us expect our youngsters to complete high school.

If it was important that all of our school districts be able to provide an eighth grade education 100 years ago, it is just as important that all of our districts be organized so that they can provide high school educations now.

Yet, school districts in only 20 percent of Iowa can provide a high school education. Youngsters from the other 80 percent of Iowa must attend high schools outside their own districts.

Even more disturbing is the fact that our outdated system of school districts results in higher cost of education—or less educational opportunity. Often both.

Here's what W. S. Theophilus of Iowa State College learned in a recent study of Iowa schools:

1. The larger the school, the lower the cost per pupil.

2. As school size increases, the quality of education improves.

3. The smaller schools were spending 23 percent more money per pupil than the largest schools—and still getting poorer quality education.

And Theophilus concluded that it's easier to improve quality of education thru increasing size of schools than by increasing the amount of money spent.

How big should school districts be?

The most important single standard for a good school district is simply this: Every district should be large enough to have within it a school or schools able to provide a complete educational program from kindergarten thru high school.

The National Commission on School District Reorganization says:

Elementary schools (kindergarten to sixth grade) should have a minimum of 175 pupils and seven teachers. An enrollment of 300 pupils and 12 teachers is considered desirable.

Secondary schools (junior high school and high school) should have 300 pupils and 12 teachers as a desirable minimum.

Traveling time from home to school should be no more than 45 minutes for grade school youngsters—no more than one hour for high school students, says the commission.

So much for the size of attendance units. The commission says the size of administrative units should be even larger—no less than 1,200 pupils between the ages of six and 18, as many as 10,000 pupils if possible.

Size of attendance units is increasing as one-room schools cease to operate. But in most areas, administrative units remain the same.

In the past, we have attempted to organize new attendance units and new administrative units at the same time. Confusion resulted.

What is needed, then, is legislation to increase the size of administrative units in Iowa—perhaps to county size, or whatever size best suits the situation. Reorganization of attendance units would follow.

A district might then operate several schools within the district—each large enough to offer good educational opportunity at low cost. For the several schools could share the advantages of helping teachers, guidance services, art and music supervisors, school nurses and other services provided by the larger administrative unit.

Play It Safe!

There isn't much left
Of Jim's new bicycle
And right now Jim feels
He's not worth a nickel.
Beth Wilcoxson

Rural Route Ramblings

By R. F. D.

WELL, I SEE where the so-called "junk" mail, which has caused so much comment the past several months, will be eliminated March 1. Everywhere except on rural routes that is.

THE OLDEST BOY is a member of a boys' choir. I have heard him and several others of the choir singing alone and what I want to know is this: how can the entire group sound so angelically beautiful when each member alone sounds so horrible?

ONE THING television certainly proves is the old saying, "one man's meat is another man's poison." Every day I hear people discussing this act and cussing the other. One can't stand Jimmy Durante, the next hates Milton Berle, the next detests George Gobel, etc., etc. And then right on down the line, the next three love each of the comedians.

PERSONALLY I never get involved in the arguments, but if I did I would have to say that evidently enough people like each of the various programs or they wouldn't still be presented.

ACTUALLY I can hardly enter the various fights as I am a Pinky Lee-Howdy Doody-Crusader Rabbit man myself.

I WILL SAY this tho, the quickest way to get me to rush to the nearest movie is the news that Max Liebman is going to present another "spectacular" which will replace two or three of my favorite programs. To me —and to everyone I have talked to—they are "spectacular" only as flops.

I WONDER if possibly this Liebman isn't employed by Hollywood. I'll bet the television people would be surprised if they took a survey and found out just how many people go to the movies on "spectacular" nights.

THAT ALMOST cancels my argument about comedians staying on top because enough people like them. Nobody likes the spectaculars, and yet they are still forced upon us.

BUT MOST of my arguments generally cancel out one way or another.

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Let engine power do it..

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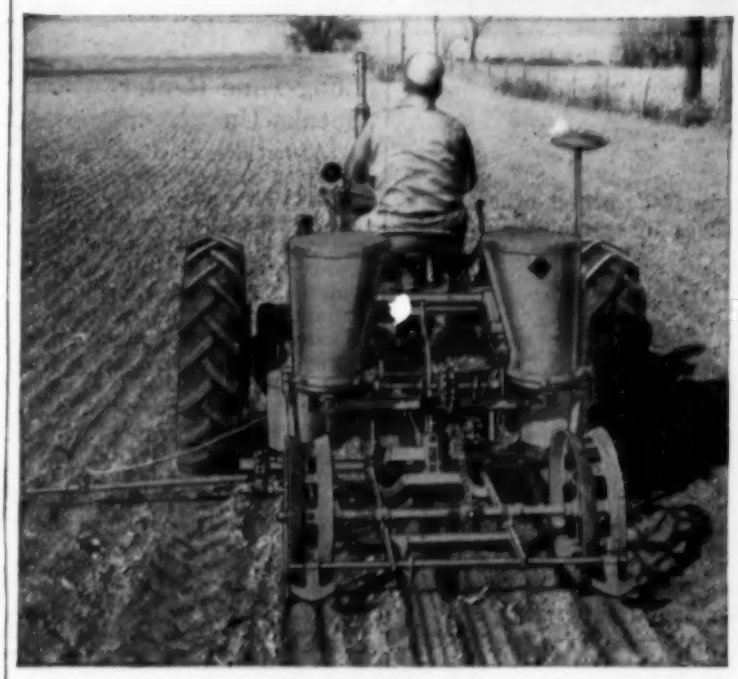
SPACE DRIVE WHEELS

It's effortless! Allis-Chalmers tractor engine spaces Power-Shift Wheels instantly to match the implement . . . and the job!

For example, you can set the tractor's left drive wheel outside the plow coulter path. Plow cuts cleaner, covers trash better when sod is not disturbed by tire cleats ahead of coulter.

Left tractor wheel set wider also gives you a more level, more comfortable ride.



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Tractor attaches itself to the implement. You no longer lift and strain attaching implement to the tractor. Just back up tractor and . . . click! Tongue eye is guided into bell-shaped SNAP-COUPLER, the single hitchpoint. Fasten lift-arm latches and GO. That's farming Allis-Chalmers style!

ALERT farmers do things differently these days. Anyone who says the old way is good enough hasn't seen an Allis-Chalmers tractor do its stuff.

Farming yesterday was never like this! Today's Allis-Chalmers engines deliver more tons of energy out of regular gasoline.

Two-Clutch control saves half your gear shifting.

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Feel the difference . . . and pocket the savings . . . with a tractor *priced to save you several hundred dollars.*

SNAP-COUPLER is an Allis-Chalmers trademark

CA and WD-45 Tractors with the BIG 4 Power Features

1. Power-Shift Wheels
2. SNAP-COUPLER
3. Automatic Traction Booster
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Left to right: Herb Plambeck, Steve George and Don Hovey

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Hear the top national farm leaders and others who have distinguished themselves in agriculture.

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Commentaries made by the WHO Farm Department staff deal with subjects ranging from Prussic acid poison in livestock to results of national farm meetings.

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Late Farm News.

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Voice of the farm

Let China Defend Puerto Rico?

To the Editor: In your January 15 issue, a reader says the U. S. used to be respected. Yes, we were—when we minded our own business.

Now our meddlesome interference has U. S. troops in 50 foreign countries. We know it all, want to tell the rest of the world how they should live.

Would those people who think we should defend Formosa agree that a Chinese naval force, provided China had the power, had the right to protect an insurgent group in Puerto Rico against U. S. military forces?—P. H. VanZante, Marion county, Iowa.

Farm Is 101 Years Old

To the Editor: Our farm was settled in 1854. And the Iowa Homestead has been read by the family for many years. I can't remember the exact date, but the paper has always been around. Now the Wallaces' Farmer and Iowa Homestead is a must.—W. M. McDonald, Woodbury county, Iowa.

Long-Time Renter Speaks Up

To the Editor: I see where "Farmer and Wife" ask what couldn't or wouldn't they do for a renter like that.

I would say that when the good renter had repaired the buildings, redecorated the house, rebuilt the fences, destroyed thistles, burs, quack grass and barnyard weeds, removed rocks and broken up the plow sole under fields, "Farmer and Wife" could and would demand that the renter pay more rent or move.

All this from an experience of 30 years as a renter with 13 landlords—only two of which furnished a board, a post, a nail or a staple.—T.R.E., Kossuth county, Iowa.

He "Hails" A.F.B.F. President

To the Editor: Hail to the new president of the American Farm Bureau Federation!

In a local radio broadcast after his election, he was asked what he thought of the farmers' outlook for 1955. He replied that he thought if the farmers would produce economically and abundantly, as that was more important than price level, they would be all right.

I suggest to President Shuman that he produce a few carloads of cattle, hogs, corn or beans, whichever he can produce most economically, and turn the same over to some charitable organization—as the price level doesn't mean much!—H. L. Gletty, LaSalle county, Illinois.

"Evil Sweeping Country"

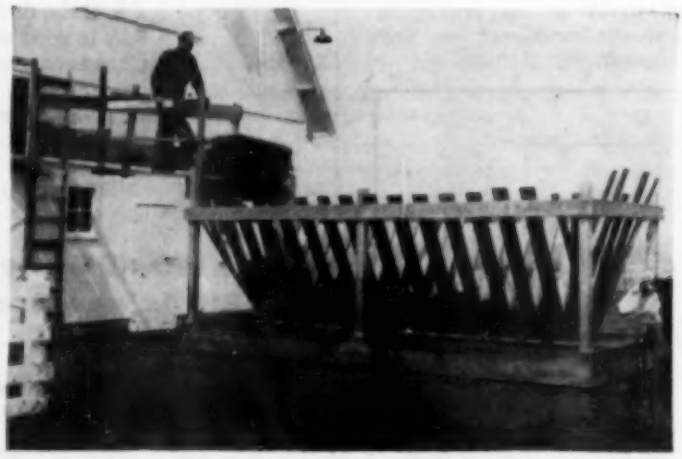
To the Editor: There is a great evil which is sweeping the country. In my community, about every sixth farm is standing empty. The big operators with high powered machinery are buying and farming everything they can lay their hands on.

This forces small operators on the road. If any one will read the history of Russia where this same evil strangled the masses, they'll see that there is no alternative other than the government taking complete control. Anoyne who can't see it coming here must be totally blind.—Farmer, Sioux county, Iowa.

Wants Bi-Partisan Farm Paper

To the Editor: As a farm magazine, if you want to serve all the people of this state, I think you could be a little more bi-partisan. The president and Mr. Benson may not always seem to be doing right to everyone; but I think they are doing what they think is good for the most people in the country. — Ray Fluhrer, Floyd county, Iowa.

Easy hay feeding...



Ramp leading from haymow to hay bunk in the feedlot saves work for Harold Ritter of Floyd county, Iowa. Just slide bales down the ramp and into the bunk.

"Now what have you misplaced?"

"Commies, Cowards, Free Men"

To the Editor: To me there are three parties—the commies, the cowards and the free men. The cowards hold the balance of power—or leave everything to the U. N. That's fine for Russia.

I think that we need more men like Teddy Roosevelt.

When Germany moved into Colombia, S. A., Teddy told them to get out and we would settle the difficulties. Germany got out.

When the Sultan of Morroco held one of our men for ransom, Teddy sent a statement—return the man alive, or the Sultan would be dead. The man came back alive. There was no war.

Then, we were respected by every nation. Now, in the last 20 years, we're looked down on by every nation.

There can be no compromise with communism. The communists do not understand good tempers, good sense and patience. The only thing they understand is force.—Leslie M. Shaw, Decatur county, Iowa.

"Slaughter Is No Solution"

To the Editor: It behooves us to avoid world war III as long as possible to do so honorably. For lives lost in war decreases our strength. And we should respect the right of all to live . . . Mass slaughter is no solution to any problem.

I am not an appeaser. But I am strongly convinced that we need to wage a contest of proselyting our doctrine of democracy as strenuously as communists proselyte their converts to communism.

The United Nations is the official body representing the nations of democratic thought. We should support it as much as possible. Tho it, no doubt, has many shortcomings, it is a peaceful measure.

Let us continue to . . . wage our battle peacefully for peace. If we go to war, we do not set the example we should. But neither should we be weaklings or aggressors.—Friendly Reader, Decatur county, Iowa.

Praises Stand On Social Security

To the Editor: I like your stand on social security for farmers. I am a Farm Bureau member. But I do not agree with the organization's stand on that subject.—Henry D. Turner, McLean county, Illinois.

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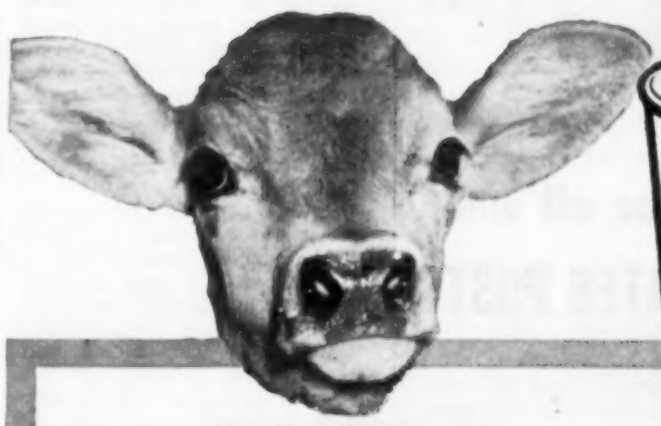

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Beautiful "Garden Glory"

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NOW while this valuable free gift offer lasts—see what Kaff-A with Hidrolex® can do for your herd. Feed just one calf on Kaff-A . . . note how healthy, how big and beautiful it grows. Don't put it off—because for a limited time you will get this attractive, sturdy wastebasket—at no extra cost with your purchase of Kaff-A, the safe replacement for cow's milk. Nothing to mail! No waiting! Visit your Kaff-A dealer today! Buy Kaff-A . . . and surprise your wife with this colorful gift wastebasket!

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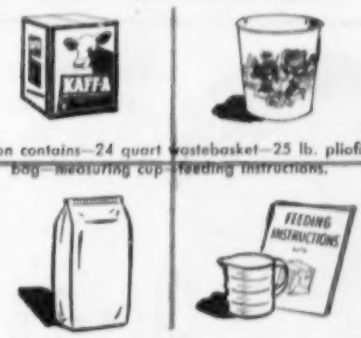
JUST BUY KAFF-A IN THE WASTEBASKET PACK AT THE REGULAR PAIL PRICE.



Carton contains—24 quart wastebasket—25 lb. pliofilm bag—measuring cup—feeding instructions.

® T. M. for exclusive hydrolysed whey ingredient in Kaff-A.

EXTRA INCOME FROM BEEF OR VEAL RAISED WITH KAFF-A

Iowa dairymen and livestock farmers are finding that bull calves and heifers not needed for herd replacements can furnish a needed source of extra income by raising them on Kaff-A and selling them as veal or baby beef.

Alvin Charlson (top) raised this white-faced calf from birth of 75 lbs. to 135 lbs. in two months on just one 25 lb. pail Kaff-A, 19 lbs. ground corn cob, hay, salt and water.

John Gerholdt, Jr. (bottom) started five calves on Kaff-A "without a sign of scours." He says, "Calves really like Kaff-A and it's easy to eliminate labor by feeding it on top of grain in dry form."

Save 16¢ a year on every post on your farm

by fencing once and for all with

DIERKS PRESSURE-TREATED POSTS

Here are the actual figures: A Dierks Pressure-Treated Post costs about 4c per year . . . an ordinary non-durable untreated post costs about 20c per year.* The difference is a saving to you of *16c per year on every post on your farm!*

The reason Dierks Posts cost so much less is because *they last so much longer!* The average life of a pressure-treated Dierks Post is 30 years or more! And the average life of a nondurable untreated post is only 3 or 4 years. Besides the money you save, think of the savings in labor — you build with Dierks Posts just *once*, while you're building with other Posts 6 or 7 times! The next time you build a fence, do it once and for all with Dierks Pressure-Treated Posts!

*Technical Bulletin #341, Lake States Forest Experiment Station, St. Paul, Minn.

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are made the same way as Dierks Fence Posts, from selected straight Southern Pine. Pole-type buildings save 3 ways — lower labor costs, lower material costs, lower maintenance costs. Send for free folder, "Practical Points on Pole Barn Construction."

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Look for the Aluminum Tag with the Big "D" on the End of Every Genuine Dierks Post or Pole!

If your lumber dealer can't supply you, write for name of nearest dealer.

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SAVE MONEY
More Plants Per Acre from LESS SEED

"14 Gro-Coated Plants to Sq. Ft. vs. One or Two on non-Gro-Coated Side," writes Mr. Herbert Wilson of Redfield, Iowa.

"Last year I filled half my drill with home grown seed, half with Gro-Coated Brand Red Clover. The difference was amazing.

"When seed came up I had 75% more plants from Gro-Coated than the other. On second year's growth I had 14 mature plants per sq. ft. in Gro-Coated clover, only one or two in non-Gro-Coated area. A big hay crop from the Gro-Coated to plow plenty of second growth to plow under." HERBERT WILSON Redfield, Iowa

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Berry's greatest achievement! 6 years of nationwide farm acceptance prove Gro-Coated Brand results even better than we claim. Many letters like customer Wilson's (at left). Buy Gro-Coated Seed by mail from us and be sure. Protected against seed-destroying fungi on seed and in soil around it. Chemical root stimulant added.

BETTER CROP STANDS GUARANTEED Again, for 1955, we guarantee better stands from Gro-Coated Brand seeds, or we refund difference in cost of Gro-Coated Seeds over any other. Read all about it in catalog. OTHER FARM SEED shortages exist this season.

ALFALFA Hardy quality domestic. GRO-COATED. 60 lbs. **$23.85 bu.**

GRIMM Golden Old Value. Hardy. GRO-COATED. **$25.65 bu.**

Red Clover Hardy. Home grown. GRO-COATED. **$35.70** bu.

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QUICK GROW MIXTURE 50-50 Alfalfa & Red Clover. GRO-COATED. **$29.85** bu.

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Young farmers get old too

Young farmers or their families will benefit from social security program

ALL old farmers were young farmers once. All young farmers will get old.

Young farmers will pay more social security tax now than the older farmers. But the survivors' benefit provisions of social security will protect their families thru the years.

All people who pay into the social security program will benefit. If young farmers live to be 65, they will get their monthly benefit. But if they die, their families will get the survivors' benefits. Or their widows will get a benefit.

Some young farmers wonder how they will be benefited by the social security program. Here are some questions they have asked:

I'm 32 now and own my farm. I'll have to pay social security for 33 years before I'll get any benefit. If I pay the social security tax that long, can I expect to get my money back?

The social security tax rate is now three percent of your net income. The law has set up estimates as to the cost of the social security program in future years. The tax rate increases to take care of increased number of people getting benefits.

The tax rate will be three percent thru 1959. From 1960 thru 1964, the rate will be three and three-fourths percent; 1965-69, four and one-half percent; 1970-74, five and one-fourth percent. After 1975, the rate is estimated to be six percent.

If you paid the social security tax on the maximum income of $4,200 each of the 33 years, you will pay a total of $504 during the next four years, $787 the following five years; $945 the next five years; $1,102.50 the next five years; $1,260 the next five years; $1,260 the next five years, and $1,008 the last four years. The total social security tax you will pay is $6,866.50, if the law remains the same.

If you live to be 65, you will get a monthly benefit of $108.50. It would take about 5¼ years to get your money back. However, if your wife is also 65 when you retire, the two of you will get $162.80 per month. Then it would take only three years and six months for you to get all of your money back. But you would continue to get a benefit as long as you live.

In addition to these retirement benefits, your family is protected thru the years by the survivors' benefit provisions of social security.

Suppose you died after paying the maximum ($126 per year) for four years. If you left a wife and three children under 18, they would get a monthly check of $200 until your second child reaches 18.

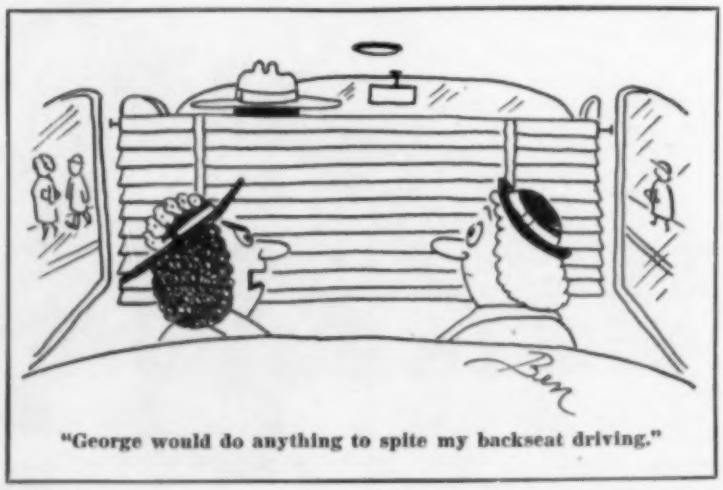
Then the benefit would drop to $162.80 until the youngest child reaches 18. The benefits would then stop until your wife is 65. At that time, she would receive a monthly check of $81.40 as long as she lives if she does not remarry.

I am 32 and have life insurance policies that take about 10 to 12 percent of my income. How can I afford to pay the three to six percent social security tax?

Social security is not meant to take the place of life insurance. But with your life insurance and social security benefits, you can work out a plan whereby you will be able to retire with adequate income at age 65.

An annuity policy that will give you $100 per month income for life at age 65 will cost about $320 per year for 33 years. Social security will cost you an average of $186.50 per year for 33 years. The two combined will give you and your wife a monthly retirement income of more than $260 per month at age 65.

Wallaces' Farmer and Iowa Homestead has published a booklet on social security for farm operators and workers. The booklet is free upon request. To get your copy, send a postcard to: Service Bureau Editor, Wallaces' Farmer and Iowa Homestead, 1912 Grand Avenue, Des Moines, Iowa.



"George would do anything to spite my backseat driving."

Pregnancy disease in ewes

All breeds of sheep in the later stages of pregnancy are subject to a disease that has a variety of names—pregnancy disease, old ewe disease, lambing paralysis, pregnancy toxemia. Here Dr. John B. Herrick, Iowa State College veterinarian, tells about this disease, its symptoms, and prevention.

PREGNANCY disease is a common cause of heavy losses among ewes during pregnancy.

Older ewes suffer more than young ones. The big majority of them carry more than one lamb. Usually they are well along toward the lambing date. Most of them are in poor flesh because of parasites or poor feed.

Losses seem heavier in small farm flocks than in range ewes. It usually starts with a tendency of the ewe to lag behind and get slow. She almost always grinds her teeth and seems weak.

Other signs include frequent efforts to urinate, refusal to feed and acts such as standing in a corner alone or with the head pressed against a wall. Soon she goes down lying sometimes with the head and neck drawn around to one side similar to a cow suffering from milk fever.

Others lie prone on the side, and breathing is barely noticeable. No fever accompanies the attack. The animal may live for a week or more in a comatose condition.

In most cases, the ewe dies unless lambing occurs. Then recovery usually takes place.

The cause of this disease is not understood. Some evidence indicates that nutrition is important. Experience shows that there is less of it among ewes which get good legume hay, some grain especially during the last month or six weeks of pregnancy, and some exercise.

Treatment for an affected ewe is not very satisfactory. The flock should be watched closely as lambing time nears. If any are noticed that show symptoms, they should be separated from the flock and given intravenous injections of certain sugars.

The remainder of the flock should get extra grain and good bright legume hay. If possible, add some feeding molasses or glucose to the feed.

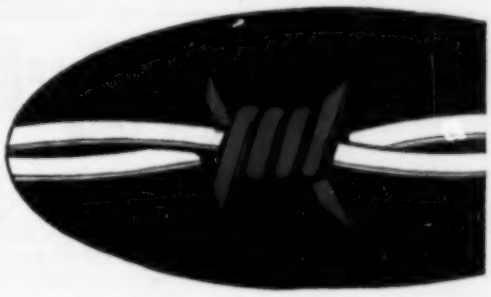
Make sure the ewes get exercise every day if weather will permit. You can do this by driving them slowly for from one-half to one mile daily or by putting the feed out away from the sheds.

Be sure water and salt are supplied. Ewes should not go into winter quarters suffering from internal parasites. If infested with parasites, ewes will be weak even if they have been on good rations. Such ewes will be less able to resist diseases especially nutritional troubles such as pregnancy disease seems to be.

your guide to top fence value

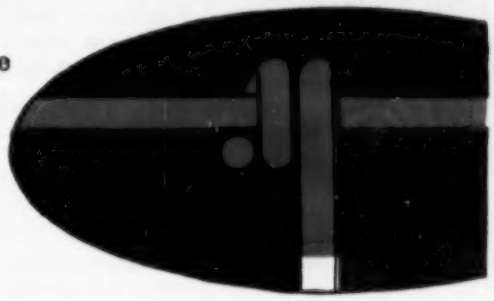
RED BRAND BARB

NEW Red Brand barbed wire is made by Keystone with the exact amount of copper for maximum rust resistance. Galvannealed to fuse on a heavy, rust resisting coat of zinc for double protection against rust. Barbs painted red so you know you have the best . . . RED BRAND. 5 styles. 2 weights.



RED BRAND FENCE

known Red Brand woven wire is copper bearing and hardened to the exact degree required to give plenty of life and spring. Yet it can be cut, spliced and handled easily. Of course RED BRAND is Galvannealed for double rust protection and years of extra service.



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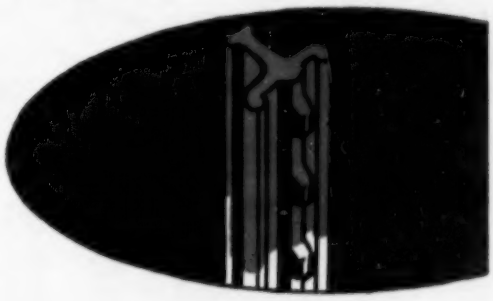
proved Red Top posts are strong, tough railroad steel, reinforced with extra steel ribs from top to bottom.

Anchor plate is riveted to post . . . guaranteed not to come off. Fence is locked to post by easy to attach wire fasteners. Protected by two heavy coats of aluminum, baked on for permanence.



Only Keystone makes sure you don't have to be a fence expert. The distinctive markings of these products tell you at a glance you're getting the best that money can buy. Insist on the RED BRAND.

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Insist on Panogen treatment for your seed

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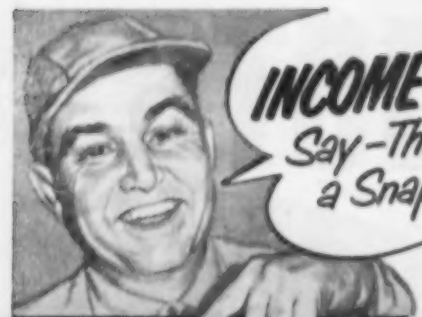

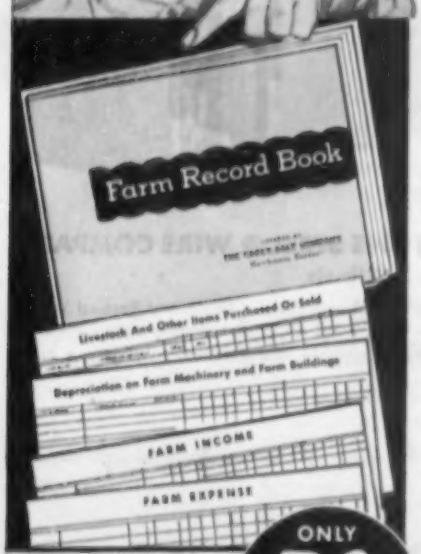

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Here are facts on

Production Payments

Every farmer has heard about the two ways in which the government can handle surplus stocks of dairy products, hogs, eggs and other perishable products.

In one way—the way of purchase and storage—the government buys the surplus, stores it and then tries to get rid of it later without hurting the market.

In the other way—the way of production payments—the market price is allowed to fall until consumers buy up all the supply. Then the producer gets a government check for the difference between the market price and the support price.

Which method costs more? The report to congress by USDA on dairy programs gives the following estimates on handling dairy products one year on the basis of 75 percent of parity:

	Purchase and storage	Production payments
Cost to consumers of all dairy products	8,300 mil. dol.	8,200 mil. dol.
Cost to government of supports	150 mil. dol.	350 mil. dol.
Consumers get	111.5 bil. lb. milk	114.7 bil. lb. milk

Under production payments—

Public as taxpayer pays	200 mil. dol.	MORE
Public as consumer pays	100 mil. dol.	LESS
Public as consumer gets	3.20 bil. lb. milk	MORE

So the public pays out $100 million more but gets 3.2 billion pounds of milk for that money.

The Department of Agriculture says: "The cost to the population-at-large (retail cost plus taxes to support the program) would be essentially the same under the two programs."

Under production payments, consumers would get more dairy products and the government wouldn't have to bother with storage. But some kind of machinery (possibly thru ASC committees) would have to be set up to handle payments.

One suggestion is that farmers bring in receipts every three months and get a check for the difference between the average market price and the support price.

Politically, production payments have one disadvantage: Congress would have to be asked for an appropriation of $350 million instead of $150 million.

This might be balanced by a political advantage: Consumers would stop worrying about wasteful storage and would be gratified by slightly lower market prices.

The estimate above deals with supports at 75 percent. What would happen if supports were at 80 percent or 90 percent?

Things would work out the same. Costs of one method would equal costs of the other. But with 90 percent supports, congressional appropriations would have to be larger. These larger appropriations would be balanced by larger savings by consumers.

How far would the price of dairy products have to drop to clear the market and to leave no surplus? USDA figures that, with 75 percent supports, the drop would be about 12 percent. Perhaps a drop of 35 cents per hundred in manufacturing milk and 7.5 cents per pound for butter.

For the year starting April 1, Secretary Benson has announced the support level (on a national average) for the nation will be $3.15 per 100 pounds for manufacturing milk and 56.2 cents a pound for butter. If USDA's estimate is correct, a manufacturing milk price of around $2.80 and of butter around 48.7 cents would clear the market.

The dairyman in a butter district would then get around 48.7 cents per pound of butterfat from his creamery, and would get another 7.5 cents from the government later.

The production payment would be based on average prices. If a dairyman was able to get a premium for better cream and push his price up to 56.2 cents a pound, he would still get his 7.5 cent payment. Producers of quality products would not be penalized.

The dairy program now provides for purchase and storage of the surplus. Congress would have to amend the farm act before production payments could be used.

Production payments are now authorized for wool, but for no other products. Farmers may wonder how such payments would work for eggs, hogs, poultry and other perishables.

Most estimates are that the cost to the nation would be about as high with production payments as with a purchase and storage program. But under production payments, all the supply would go into use; there would be no waste in storage.

"They say business is off in town. What happened . . . you get in a fight with the storekeepers?"

How To Get Wool Payments

If you produce wool and want to get the direct government payments on your production, here are a few points to observe:

Only wool sheared after January 1, 1955, is eligible for government payments. And the wool must be owned by the producer until April 1. The wool can be stored in a commercial warehouse, or consigned for future sale, but the owner must hold title to the wool until April 1.

Payments to producers will be based on percentage needed to bring the national average price up to the incentive level of 62 cents per pound for shorn wool, grease basis, for the 1955 marketing year.

Wool payments will be made after the marketing year has ended and the national average price has been determined.

Clean Up The Orchard

Now is the time for a fruit tree owner to begin his sanitation program. Lower trees by pruning to 25 feet or less. That way tops can be thoroly sprayed. Why? Helps to control codling moth and apple scab.

Open up trees by pruning. That way spray materials can be forced thru tops. Take special care to open the "top-centers." This helps where mechanical spray applicators are used, or where reduced gallonage spraying is practiced.

A word about the "2X" method of orchard spraying, as practiced at Purdue University. This is where half the normal gallonage per acre and double the amount of chemicals per 100 gallons of spray mixture is applied. The past seven years, the 2X program has given good commercial control of apple and peach pests. The "4X" program has been about as good. But the "6X" and "8X" concentrations haven't been dependable against apple scab.

Benefits? Less time spent in mixing, better efficiency of labor.

WATER increases milk production. If cows have free access to water, they give about four percent more milk than if watered twice a day. And six to 11 percent more than if watered only once a day. That's according to Virginia experiments.

Swift's NEW STARTING FEEDS

a fresh outlook for Poultry and Hog Income

2½ TIMES MORE ENERGY FOR CHICKS

Now your chicks can have a much better start toward paying layers and meat birds. Swift's new **Chick Starter** with **CALOGEN** opens an added source of poultry income previously unavailable—well-developed birds *on less feed.*

Calogen is Swift's new energy ingredient, delivering 2½ times more energy than grain. Palatability is greatly increased. **Calogen** opens the way for Swift's new blend of animal and vegetable proteins . . . growth-pushing antibiotics . . . stabilized Vitamin A . . . added growth factors from latest research . . . a highly effective coccidiosis control.

With CALOGEN
Swift's special blend of fats and associated trace nutrients.

MORSELS WITH A "PUNCH" FOR BABY PIGS

When you start baby pigs eating solid feed early, you've accomplished probably the most important job in hog raising. They grow faster—develop sooner on less feed, giving you an early start to market.

Swift's **Sweet Pig Morsels** provide the new pig pre-starter with the right punch. Start creep feeding at 3 to 4 days old, feed until pigs are about 4 weeks old. The sugar in **Sweet Pig Morsels** is *all through* the pellets, will not crumble away. Contains the right amount of antibiotics for health and growth, plus the right combination of easy-to-digest, baby pig nutrients.

Follow through when pigs are four weeks old with Swift's **Pig Power** and you'll see new sources of hog income show up—freedom from runts, early weaning at higher weights.

Your Swift's feed dealer has the program to help assure hog profit. See him today.

SWIFT & COMPANY
Feed Department
DES MOINES, IOWA

Swift
1855 CENTENNIAL 1955
TO SERVE YOUR FARM AND FAMILY BETTER

SAVE BABY PIGS!

WITH THE NEW ALL-STEEL CASWELL "FARRO-CRATE"

PREVENTS SOW FROM CRUSHING OR OVERLAYING BABY PIGS

Hog Raisers! You can save one or two pigs per litter with a new Caswell "Farro-Crate." Prevents sow from overlaying baby pigs at farrowing time. This new, economical all-steel Farro-Crate will last a lifetime. A complete unit, with no bolts—no assembly — cheaper than lumber! Completely portable, the "Farro-Crate" can be stored outside the farrowing house or hog house when not in use. Don't take chances. Plan NOW for your spring pigs! Pigs saved from 2 litters will pay for "Farro-Crate." Many other advantages.

- Low Cost & Portable!
- All Steel Construction!
- Complete — No Assembly!
- Fits Any Size Sow!

Height adjustment at base from 8-11"—gives baby pigs free access to sow. Self locking gate mechanism on both ends of crate. Latch can't be lost.

FREE COLORFUL LITERATURE

If you are tired of burying baby pigs, if you want to wean and market those you have been losing, investigate the Farro-Crate. Mail coupon for complete information and low price.

Reg. U. S. Pat. No. 2,630,097

MAIL THE COUPON NOW!

CASWELL MFG. CO., Dept. 410, Cherokee, Iowa

Please send me complete information, Free Literature and low price of your new all-steel "Farro-Crate"—also name of nearest dealer. (NO AGENTS WILL CALL)

Name .....

Town .....

RFD ..... State .....

Also send information on the items checked below:

Caswell Loader ☐ Caswell Wagon Hoist ☐ Caswell Cattle Currier ☐

INTERESTED DEALERS CHECK HERE ☐

CASWELL MANUFACTURING CO. Cherokee, Iowa

What beef to eat?

Here's price comparison of beef from locker or freezer with beef bought at retail store

EAT your own beef or buy it at the store? Which costs you less?

Here's an answer figured out in dollars and cents. Figures vary with prices and your own situation. But these will serve as a good guide.

Suppose you have a 1,000 pound steer that will produce a U. S. choice carcass. And that he is worth $25.50 a hundred—a total of $255. Knock off about five dollars for hauling and marketing. That leaves $250 actual cost.

You could expect a carcass weighing about 600 pounds. Custom slaughtering costs about one dollar plus hide. So you have $251 dollars worth of beef.

If you sell one side to a neighbor, you have a 300 pound side of choice beef costing $125.50.

Cutting, wrapping and sharp freezing will add about five cents a pound—or $15. Total cost now is up to $140.50. And carcass weight is down to about 250 pounds. Waste fat and cutting losses will run about 50 pounds.

If you store the beef in a locker, add about $7.50. That will about rent a locker for six months. Total cost for 250 pounds of your own beef is about $148. That's just over 59 cents a pound.

Cost of owning and operating a 14 cubic foot freezer that is filled twice a year averages about five cents per pound of food. On 250 pounds of beef, that's $12.50 or five dollars more than for a locker.

So beef from your freezer figures about 61 cents a pound.

Now suppose you buy a side of dressed beef instead of slaughtering your own. You'd pay around 45 cents a pound before processing. That would be $135 instead of $125.50 when you slaughter your own.

In the locker, it figures out about 63 cents a pound. In the home freezer, it adds to 65 cents a pound.

Now how does that compare with purchases at a store? Suppose you buy the same amount and grade of each cut you got from your beef. Average cost for a group of central Indiana retail stores last November was $175. Or 70 cents a pound.

Here's how the costs stack up per pound of beef:

Your own beef in locker....59c
Your own beef in freezer..61
Dressed beef in locker....63
Dressed beef in freezer....65
Beef bought at retail.....70

But price alone isn't the only consideration. The home freezer is convenient. Special trips to the locker can boost cost.

Both freezer and locker offer advantages over regular retail purchasing. Your supply is certain. And you can stock up when prices are lowest.

Both have some disadvantages. Storage losses and deterioration are possible. When you slaughter your own animal, it may be hard to predict meat quality.

Regular retail purchases have some advantages. No large outlay of capital is needed. You take no risk of storage losses.

But at the same time, there's no seasonal purchasing to take advantage of low prices. You may have to make special trips to the store.

Store purchases have one other advantage. You can buy the cuts you need at the time you want them. But with freezer or locker storage, you have to take cuts that can be made from your side of beef.

That includes about 60 pounds of ground beef. And about 10 pounds of boiling beef.

You'll get a little less than 30 pounds of the choice steak cuts—T bones, porterhouse and sirloin. And about 40 pounds of other steak—round, flank, chuck and rib. Most of the remainder will be roasts.

Of course, there can be some variation in cutting. And you could make some retail purchases to supplement your frozen supply. You'll want to consider these factors along with price.

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because
CONTINENTAL
is the
ONLY FENCE
Flame-Sealed®
against rust

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STEEL CORPORATION • KOKOMO, INDIANA

MEN WANTED
Earn $75-$150 Weekly

Take orders for America's largest selling, nationally advertised Liquid Fertilizer. Sold with Money-Back Guarantee. Full or part time. No investment. Good territories available. Write AT ONCE.

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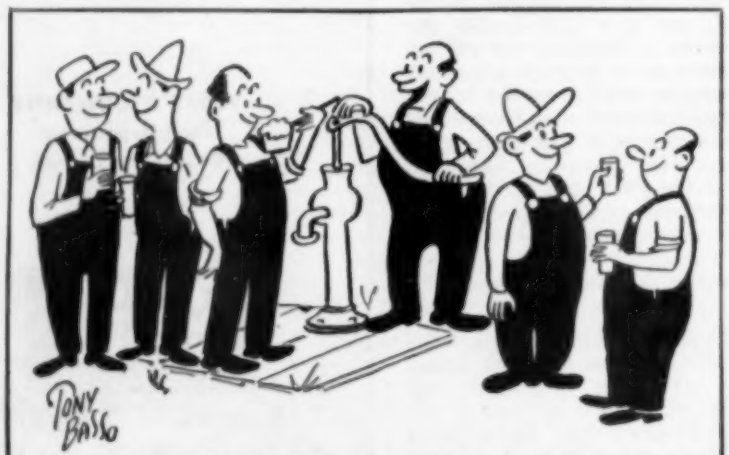
Marion, Ohio

NEW OAT HULLER and GRAIN CRACKER
DESIGNED FOR THE FARM

Hull your own oats—the most palatable and valuable feed of all. Get the facts! Write for free circular — 18 different reasons why the Galloway Gold Nugget Oat Huller will pay you real dividends and make you money. Write to

WM. GALLOWAY & SONS CO.
Dept. WF Waterloo, Iowa

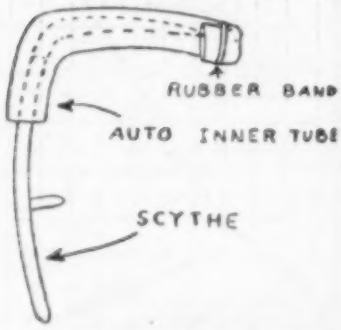


"Well, it was like this. During that last dry spell, I primed it with beer."

HANDI-HINTS

Innertube Protects Scythe Edge

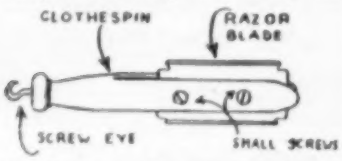
A scythe must be kept sharp if it's to be any good. Yet the sharp edge is dangerous when stored and easily damaged while being carried. One farmer used



a discarded innertube to fix a guard for his scythe. He cut out the section with the valve stem and cut a half-inch band from the same tube. He slips the tube over the scythe blade and down the handle, leaving about six inches of the tube to be folded over the tip of the scythe and secured by the rubber band.

Razor Blade Handle

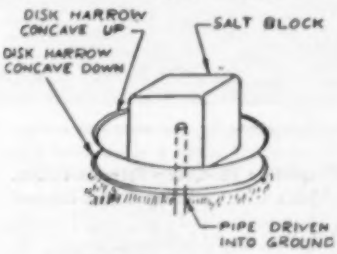
There are many times when you can use the sharp edge of a razor blade around the house or shop. But they are risky to



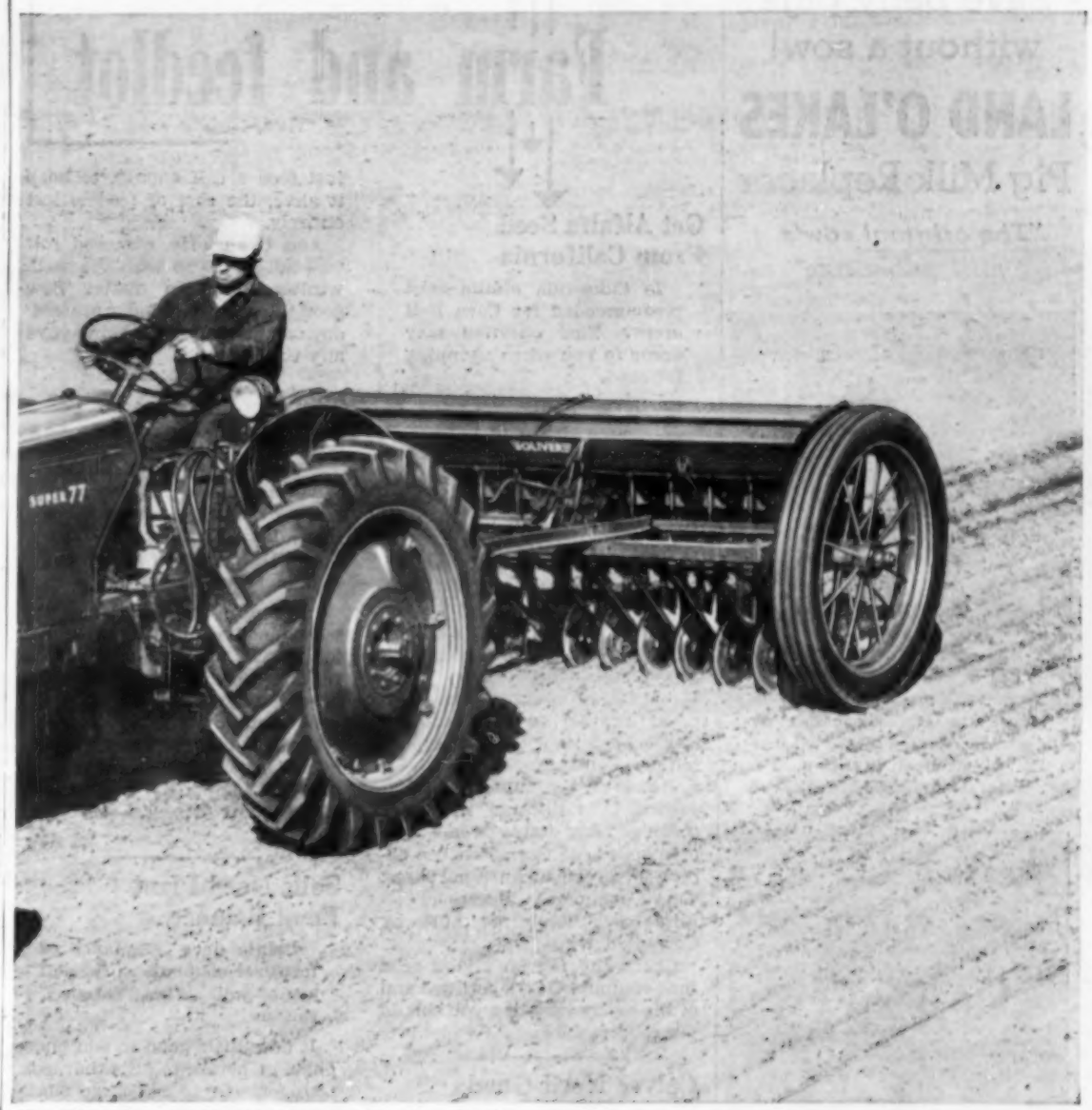
handle. And dangerous to leave lying around. One farmer made a convenient handle from a common clothespin. He drilled two holes through the wooden pin as shown for small bolts with washers and nuts. He put a screw eye in the end of the clothespin handle for convenience in hanging it up.

Disk Blades Hold Salt Blocks

One farmer made a holder to keep a salt block up off the ground where cattle can lick it. He drove a length of pipe into



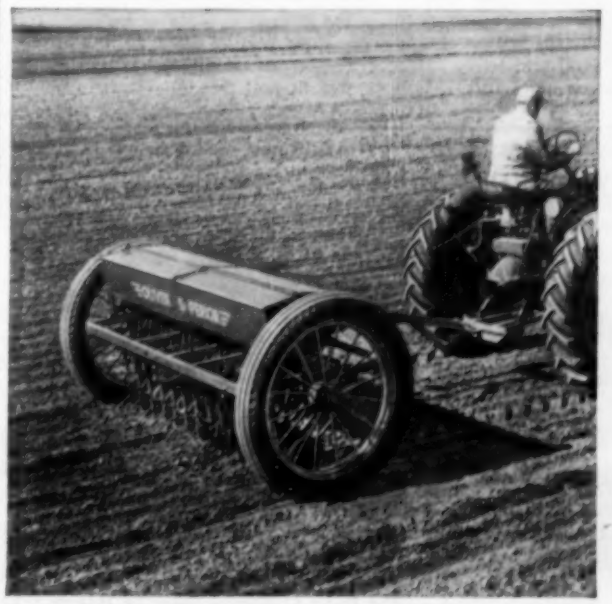
the ground and dropped two old disk blades over it. Bottom blade has the concave side down, and the top one has the concave side up. This leaves a shallow basin for the salt block. But any moisture drains away and doesn't melt the salt. Most blocks have a short hole in them so they can be fitted over the pipe. A coating of heavy cup grease will help protect the pipe and disks from excessive rusting.



The Oliver Superior No. 26 Grain and Fertilizer Drill

One place you know you've got the best...

an OLIVER SUPERIOR DRILL



THREE JOBS AT ONCE. The Superior No. 26 sows grain or beans at the same time it seeds fine grass and distributes fertilizer (as little as 10 lb., as much as 1480 lb. per acre).

With most farm equipment you'll get an argument over who makes the best. Not with grain drills! When you buy an Oliver Superior, you *know* you've got the best—and everyone else knows it, too.

Take the seeding. With Oliver's Double-Run Force Feed, you have by far the most accurate device ever made for sowing grain. No skipping, no spurts.

Or the feeding rate. In a few seconds, you can set the Superior No. 26 for any one of twenty-six different rates—13 for big seeds, 13 for small ones. Grass seed attachment sows all kinds of tiny seeds, one variety or mixed. For fertilizer: ninety different rates!

Furrow openers. With Oliver, you get your choice: Single disc, open or closed delivery. Plowfur. Shoe. Double disc (with neoprene dust seals).

Your choice of lifts, too: trip-rope or "*Hydra-lectric.*" And your choice of wheels: 48" steel, 36" implement, 15" auto.

But it's easy to prove to yourself that an Oliver Superior is best. Ask your Oliver Dealer to show one to you — or write for Superior No. 26 booklet. The Oliver Corporation, 400 West Madison Street, Chicago 6, Illinois.

"Finest in Farm Machinery"

See your OLIVER DEALER and WORK-TEST the SUPERIOR No. 26!

Save baby pigs without a sow!

LAND O'LAKES

Pig Milk Replacer

"The original sow's milk substitute"

Sow's milk unavailable . . . too large a litter, poor milking sow, lose a sow? Feed your pigs Land O'Lakes Pig Milk Replacer. It gives them a chance, saves pigs otherwise lost!

They don't need the sow. Pig Milk Replacer has all the growing-power of real milk. And Pig Milk Replacer is easy and convenient to feed—mixes in minutes, and is fed in ordinary fountain or trough.

Easily switched to Land O'Lakes Pre-Creep Formula Pellets at about 10 lbs. It's the same as switching pigs from the sow, since Pig Milk Replacer *replaced* sow's milk *before* 10 lbs.

Time-tested by Iowa Farmers!

Buy from your

Land O'Lakes

Dealer

Land O'Lakes Creameries, Inc., Minneapolis 13, Minn.

Farm and feedlot

Get Alfalfa Seed From California

Is California alfalfa seed recommended for Corn Belt areas? This question may occur to you when shopping for seed.

Certified, hardy varieties of alfalfa seed grown in California or other southwestern states are all right for Corn Belt use. That includes Ranger, Buffalo, Vernal and perhaps other hardy varieties.

This alfalfa seed is produced from northern hardy varieties which are taken to California for seed producing purposes. They plant the seed in rows on irrigated land, and produce around 10 bushels of seed per acre.

Certification of this seed by California authorities is accepted in Corn Belt states.

However, common alfalfa, grown in California or other southwestern states is not recommended for Corn Belt use except for green manure purposes. These common, uncertified alfalfas will likely be hurt by Corn Belt winters.

Check the tag on alfalfa seed that you buy. If it's certified and of the hardy varieties, you should get good results.

Calves Need Good Winter Feed

"Just feed the calf well enough to get it thru the winter. Then get cheap gains on grass." Farmers used to think that was the most profitable way to feed calves after weaning.

But the new method is to feed calves for moderately fast gains all winter.

With good feed, including some grain and protein, winter gains will pay for feed and leave some profit. On the other hand, if you just feed a calf enough to keep it alive, the cost of feed is lost entirely.

And the poorly wintered calf will not catch up with the well-wintered calf no matter how good the pasture. Under present-day conditions, good feeding pays any time of year.

Test Protein Needs For Weaned Pigs

Very high protein rations will not poison pigs, but they are expensive and may act as a laxative, says L. E. Hanson, University of Minnesota animal husbandman.

Hanson separated pigs at eight weeks into two lots. Pigs in one lot got 14 percent protein, the recommended ration. Pigs in the other lot got feed with 30 percent protein.

Pigs on the 14 percent ration gained most rapidly; made most gain per 100 pounds of feed; and made gains at least cost per pound.

Soils Need Plant Food Balance

Plants need a balance of fertilizer elements in the soil just as animals need balanced rations.

It does little good to add phosphate or potash to soils that lack nitrogen. Or to add large quantities of nitrogen if the mineral elements are in short supply.

That's why soil tests are necessary along with field history and close observation of growing crops on the fields year after year. They help you get plant food balance in the soil.

The big yield increases that you hear about from fertilizer occur when the added fertilizer balances the nutrients already in the soil.

Poor results often follow application of fertilizer which does not fit soil needs.

Handy feeding shed . . .

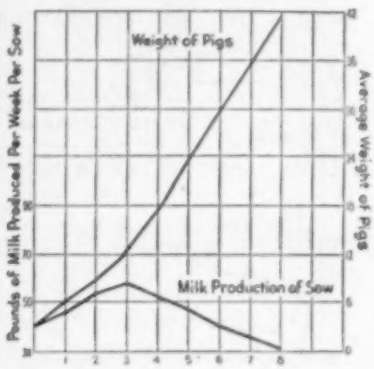
Cattle feeding shed on the Dave Calloway farm in Henry county, Iowa, is arranged to save steps. Feed bunk that allows cattle to eat from both sides runs the length of the open side of the shed. This bunk can be filled from either side. In the far corner of the shed (hidden in the shadow) is a 6 by 10 foot feed bin which holds 80 bushels of ground feed blown over to it from the mill in the granary. A shorter feed bunk is lined against the rear wall. Floor in the shed and the entire lot is paved, can be cleaned with tractor mounted manure scoop. Shed is 20 feet wide, 52 feet long. It can accommodate about 60 head of feeders, depending on size.

Now! Switch baby pigs to dry feed at 10 lbs.

LAND O'LAKES

Pre-Creep Formula Pellets

This new product takes over when the sow's milk levels off.



Check this chart . . . sow's milk slacks off at three weeks, just when baby pigs need all the nourishment they can get. Take pigs off the sow when they reach 10 lbs. (2-3 weeks.)

Switch them directly to Land O'Lakes Pre-Creep Formula Pellets and water. You can save $1.24 per pig in the first 8 weeks by cutting out costly lactation ration. And you get a pound gain on as little as 1½ lbs. feed.

Sows ready for market (or re-breeding) about a week after pigs went on Pre-Creep Formula Pellets. Note trim underlines, well-finished frames. Without Pre-Creep Formula Pellets they'd still be nursing.

NOT A PIG STARTER...

but a complete substitute for sow's milk at 10 lbs.!

Buy from your

Land O'Lakes

Dealer

Land O'Lakes Creameries, Inc., Minneapolis 13, Minn.

SOW FASTER WITH Seedmaster

"CORSON OF COURSE"

Fits any tractor

- Several models to choose from
- PTO units for tractor or jeep
- Electric unit driven by battery of tractor or truck
- 5-peck or 5-bushel hoppers available and interchangeable
- 5-peck hopper used for grass and legume seed
- 5-bushel hopper used for oats, rye, or wheat —and for spreading dry, granulated or pellet fertilizer

Sows Uniformly Up to 25-foot Strip

Please send name of nearest dealer and more literature..

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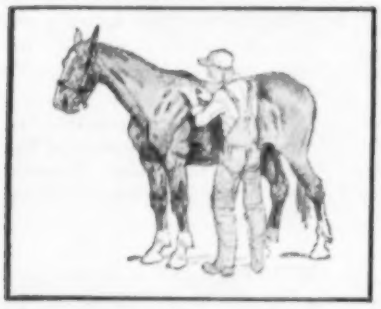

How to keep your horse at work

- A rubdown with Absorbine Wash right after work helps prevent galled shoulders, sore necks, stiffness across the back, shoulders and loins. Absorbine applied to a blemish or at the first sign of puffiness helps stop a more serious condition like ringbone or spavin. Does not remove hair nor blister skin. Horse can be treated on the job. Only $2.50 for a large bottle at all druggists. W. F. Young, Inc., Springfield, Mass.

ABSORBINE

STILL the lowest priced chain saw of PROVEN DESIGN

MODEL 34

$198.50

16" SIZE

POWERFUL GEAR DRIVEN LIGHT WEIGHT

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ASHLAND - - MASS.

TRAK-TOR SPRAYER by FARNAM

ONLY $69.50 As is

Plenty of pressure and volume for spraying livestock, farm buildings, orchards or fence rows —up to 350 lbs. pressure (4½ gal. per minute) at normal PTO speed.

COMPLETE KITS "Ready-To-Use"—Equipped with NYRO "Nylon-Roller" Pump, the tractor pump proved best for both performance and wear. Complete with all controls, gauges, hose, fittings and connections. The low-cost answer to your need for a high pressure sprayer for livestock and other uses!

WRITE For Catalog showing variety of Trak-Tor Sprayers offered, also "Wide-Jet" Sprayers. All at **new low prices!** Also "30-Day Trial Plan". Write—

Farnam Co., Dept. TS-54, Omaha, Nebr.

BUY WHOLESALE. Large discounts. Nationally advertised appliances, watches, typewriters, power-tools, etc. Catalog $1.00. Dollar refunded on first order. If not pleased, return catalog for full refund.

C. LEAVERTON, 11242 Croft, Detroit 24, Mich.

"Scranges on the frambulator need discombutiating . . . have to rush into town to get it done."

Gasoline Dangerous As Dynamite

Farmers who use gasoline as a cleaning fluid in their farm shops are playing with dynamite. This warning comes from S. L. Vogel, engineer at North Dakota Agricultural College.

"A heated farm shop is a real asset," Vogel says. "Farm machinery can be put in shape for the coming season."

But a farm shop with a good fire in the stove can be a death trap when gasoline is used to clean up parts, Vogel warns. Here's his explanation.

Gasoline evaporates and mixes with air rapidly. The gasoline and air mixture is more explosive than dynamite. It is also heavier than air and settles to the floor.

The stove has a draft opening somewhere close to the floor which is continually pulling in air. If the gasoline-air mixture is drawn to the stove, the place can blow up.

Use kerosene, fuel oil, or deisel oil to clean grease off parts, Vogel advises. Don't even bring gasoline into the shop.

To Save More Baby Pigs

Each dead baby pig costs you about the same amount as 140 pounds of feed. That's the estimate of Dr. Jesse Sampson, Illinois College of Agriculture veterinarian.

Here are some of Dr. Sampson's suggestions for saving more baby pigs: Since greatly reduced blood sugar is one of the reasons baby pigs die, watch milk flow of sows and pigs' appetite.

Sows may not produce enough milk for litters or stop milking after farrowing. Or digestive troubles in pigs may stop them from nursing. In either case, the blood sugar level of the pigs drops, and they starve to death in a few days.

Keep pigs warm in a brooder when weather is cold, Sampson advises. Call your veterinarian if pigs lose appetites or become listless.

Check sows frequently to see if they are producing enough milk. If not, hand-feed the litters, or divide them among other good-milking sows.

NEW PRODUCT for preventing coccidiosis has been placed on the market by Merck & Co., Inc. It is called nicarbazin. It is not like the sulfa drugs or other coccidiosis remedies now on the market, says the company.

DOW

Better protected against rot and termites—sturdy, durable and attractive—and

PENTA-TREATED POSTS

are clean, too!

Local lumber dealers recommend PENTA pressure-treated posts highly . . . know their cleanliness makes for easier handling during fencing.

PENTA wood preservative doesn't leach...pressure-treated posts and poles are clean when you handle them, stay clean through years of use

Posts pressure-treated with clean PENTA* wood preservative show up in more miles of fence line every month. PENTA posts can be painted after a short time in the ground, can be sawed or nailed, and of course don't rust or bend. PENTA cleanliness makes these posts easier to handle . . . they won't stain hands or clothes.

Rot and termites can't get a start at any point—PENTA, forced deep into wood cells, effectively resists top rot, groundline decay and insects. Fencing is up to stay *years* longer.

Ask your local dealer about posts treated by a reputable pressure operator with long-lasting *PENTA-chlorophenol.

THE DOW CHEMICAL COMPANY
Dept. PE-876J, Midland, Michigan

Please send me, without cost or obligation:

- ☐ Booklet, "PENTA Pressure-Treated Farm Posts".
- ☐ Location where I can buy Penta pressure-treated poles and posts.
- ☐ Information on pole-type buildings.

Name .....

Rural Route No. .....

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you can depend on DOW CHEMICALS DOW

Take the BACK BREAKING WORK out of Winter Feeding

Remove Frozen Silage Easier...Faster with the S & H SILAGE CHIPPER

Save Money • Save Time • Save Work

- 2 models—self propelled—hand propelled
- Cuts 3 inches deep into solid frozen silage
- Eliminates all waste
- Electrically operated
- No chunks to break
- Loosens hard packed grass silage year around

Silo walls are left clean to save you money—save you time because S & H chips to fine pieces that are thawed and ready to eat by time silage reaches feed box.

Write today for free folder and name of nearest dealer!

S & H MFG. CO.

Dept. I-245, Winthrop, Minn.

EASTERN IOWA FARMERS . . . Send for

FREE BOOKLET

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Checkup can save trouble, may add years to life

"HAVE A checkup? I should say not! I feel perfectly healthy!"

This may be true. But there are certain periods in life when thoro physical examinations are essential.

From the very beginning of life, we should protect our children. A visit to the doctor gives him a chance to appraise the child's growth and responses. If any unusual development is noticed, corrective measures can be started at once.

After birth, the obstetrician and pediatrician work together to see that the newborn baby is physically normal and healthy. And it is a wise mother who keeps her baby well and protects him from weakening sick spells. Most physicians suggest immunizations for whooping cough, tetanus and diphtheria, and smallpox vaccinations before six months of age.

Routine school health examinations and physical examination for athletics are additional ways in which the health and progress of children can be checked.

Children should be examined thoroly during early adolescence. This is especially important if there seems to be anything amiss in the youngster's actions.

Pelvic examinations for women are essential when anything is irregular with the menstrual cycle or between menstruations.

Prenatal examinations for the pregnant woman are vital. These examinations may inform the doctor of complications that can be avoided, or at least anticipated.

Another important check-point is during middle-age. This is the time when personal well-being may be neglected due to the stress of keeping the home going and providing the proper care for the family. It is during these periods of neglect when various physical ailments may creep into our lives unnoticed.

Many times, members of the older generation will not seek medical help until pain or disability forces them to do so. However, early diagnosis and treatment of suspected illness, along with periodic health examinations, may add fruitful and comfortable years to the last span of life.

The yearly physical examination is important for everyone. Cancer control and routine chest x-rays have helped to show the importance of the annual health check-up. And certainly, the watchfulness of doctors has helped bring heart conditions more nearly under control.

Whenever there is some unexplained variation in body function, you should see your doctor at once.

Articles in this series are prepared by members of the Health Education Committee of the Iowa State Medical Society.

WINTER GAIN in beef calves is related to protein content of the ration, according to the Oklahoma experiment station. Calves were given prairie hay free choice and one pound of supplement. A 20 percent supplement produced an 11 pound loss in weight. A 30 percent protein supplement brought a gain of 34 pounds. A 40 percent supplement produced an 81-pound winter gain.

PAW TUCKER—It's time for the seed catalogs!

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"Not hamburgers again!"

How much bedding for loose housing?

MAYBE loose housing of dairy cattle doesn't take as much extra bedding as you'd guess. Some farmers in the St. Louis, Missouri, milk shed kept an accurate record of bedding used.

Less than 500 pounds per cow per year proved enough to keep cows clean.

The barn was arranged to avoid any special traffic lanes. This gave uniform use to all the resting area. That meant bedding was used efficiently.

Hay and silage were fed away from the resting area. This was even more important in cutting amount of bedding needed. It kept many of the droppings out of the bedded area.

University of Wisconsin test showed a higher need for bedding. But loose housing barn in that test also included a feeding area. Even under that set-up proper management kept bedding needs down to 8.4 pounds per cow per day. That's well under the 12 pounds often recommended in northern states. In the same test, stanchion housing required 7.5 pounds of bedding per cow per day.

There's some advantage in having all the droppings fall in bedded areas. That way, nearly all the plant food value of the manure is saved.

Where bedding is stored can make a big difference in labor needs. In the St. Louis tests, bedding was stored along the rear walls of the resting area. Labor keeping the cows bedded figured less than one hour per cow per year.

With conventional storage, labor averaged over an hour and a half per year.

Under-Sized Wiring Wastes Electricity

Flickering lights, slow-warming heaters, over-heated and burned-out motors—these are symptoms of overloaded electric wiring.

Too heavy fuse on under-sized wiring is usually the cause, says I. P. Blauser, agricultural engineer at Ohio State.

Inspect all wiring in the house, outbuildings and all connecting circuits, Blauser recommends. If wiring is too small for present day needs, best bet is to rewire.

Savings in electricity often repay the cost of new wiring, the Ohio State engineer says. All energy lost in heating under-sized circuit wires still registers on the meter.

HURRY! . . . Minutes Saved May Mean Life or Death!

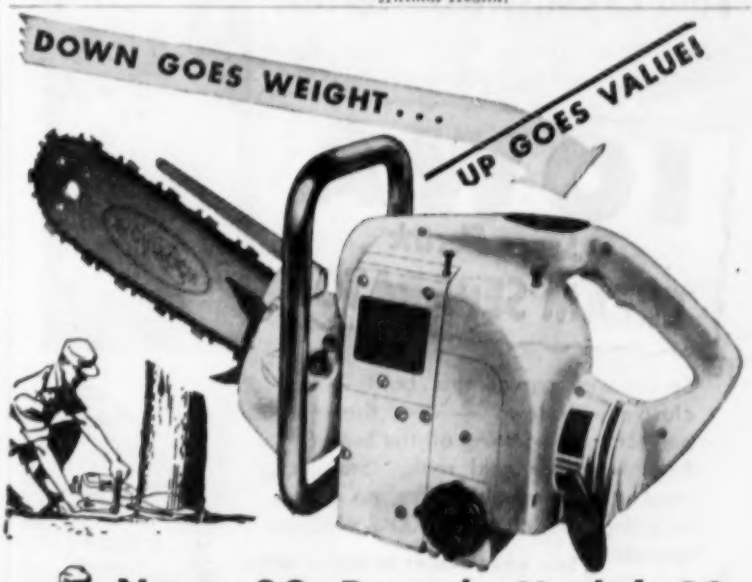
When you have a sick animal, call your veterinarian PROMPTLY. The difference between life and death may hinge on how quickly you get a *correct* diagnosis, and get the *right* treatment started.

Why guess about what is wrong? . . . or what medicines should be used? Your veterinarian KNOWS . . . and his skilled knowledge can mean the saving of valuable animals for you.

Above all, don't guess about a disease yourself . . . so many of them look alike, but require entirely different treatment. Don't use drugs or "remedies" without your veterinarian's guidance. A medicine that cures in one case can kill in another.

Call your veterinarian . . . and call him promptly, in ANY case of livestock sickness. His service costs so little, can save you so much.

This message in the public interest is sponsored by the American Foundation for Animal Health.



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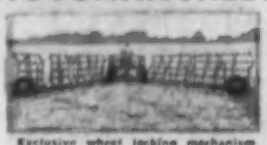

Exclusive wheel locking mechanism eliminates manually opening and closing wings. Harrow closes when tractor moves forward . . . opens when tractor reverses.

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How much plant food to use

Here are Iowa State College fertilizer recommendations by soil areas for 1955

BEST WAY to tell what fertilizer your soil needs is with a soil test. But suppose you didn't have a test made.

Iowa State College specialists have made general recommendations to fit most of the soils in the state. Soils have been divided into areas as shown on the map below.

Recommendations given are an average of fertilizer needs for each area.

Your county extension director may be able to help fit these recommendations more closely to your own farm needs.

Legume seedings are best fertilized along with small grain. When the legume is alfalfa to be left two or more years, increase the recommended phosphate and potash rates by at least one half. Or you can plan to top dress the extra fertilizer on later.

Corn which does not follow a legume crop and did not get a heavy application of manure can use extra nitrogen. Apply from 40 to 80 pounds of actual nitrogen per acre. Vary the amount according to the number of plants per acre. Thicker stands can use the higher rates of nitrogen. This applies to nearly all soils in the state.

On all except sandy soils, nitrogen can be applied before planting. Side dressing cuts down leaching on the sandy soils.

You can't count on nitrogen alone to give full yield increases if other plant foods are in short supply. Many soils need heavy broadcast applications of phosphate or potash along with the nitrogen.

Most of the fertilizer grades used in these recommendations are stated in multiples of five. Like 5-20-10. To find the ratio of such a grade, just divide each number by the smallest—usually the nitrogen figure. Ratio of 5-20-10 is 1-4-2. Any grade of the same ratio is as good as any other. Just vary the amount applied to give the same number of pounds of plant food per acre.

Here are Iowa State College's general recommendations by soil areas:

Area 1. Good response to fertilizer is common thru this area. For corn on black, level soils, 100 pounds of 5-20-20 per acre should be applied with a planter attachment. On high lime spots 100 pounds per acre of 0-0-60 are recommended. On the dark brown rolling soils, 100 pounds of 5-20-10 will do the job.

Many of these soils can use broadcast phosphate, and sometimes potash, for corn. That's in addition to the fertilizer applied with a planter attachment. About 200 pounds of 0-20-0 or 0-20-10 is recommended.

Small grains and legume seedings on the level, black soils should get about 300 pounds of 5-20-10. If unfertilized corn has been grown on land for a couple years, double the amount of nitrogen.

On high lime spots, no nitrogen is needed. But 300 pounds of 0-20-20 should give good results.

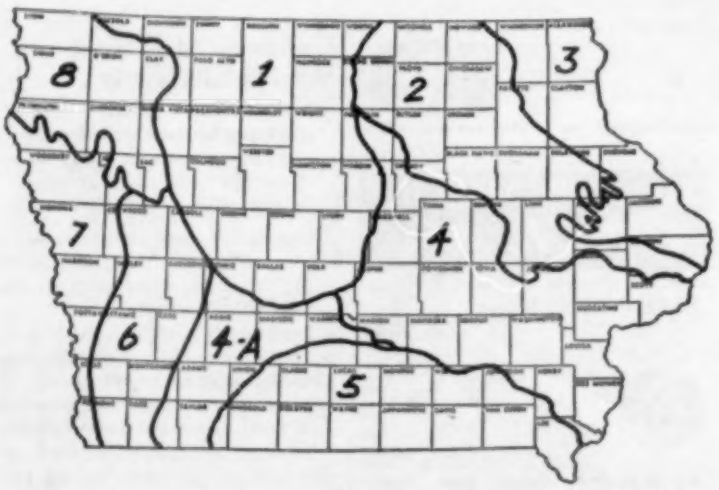
On good dark brown soils use 250 pounds of 6-24-0 for small grain with legume seedings. Where soil isn't quite as good, use 300 pounds of 10-20-0. On "thin" steep soils, boost the amount to 400 pounds.

Area 2. Fertilizer generally gives the largest return in this soil area. Hill or row fertilizer for corn usually pays well. About 100 pounds of 5-20-20 per acre are recommended. On flat and poorly drained soils, about 100 pounds of 0-0-60 is needed in addition.

For oats and legume seedings, 300 pounds of 5-20-10 will take care of most flat and poorly drained soils. If the soil is a little "thin," more nitrogen will pay. Use 300 pounds of 10-20-10.

Many soils of this area need

(Continued on page 55)



Soil areas of Iowa are shown above. Recommendations in article are an average of fertilizer needs in each area. A soil test is the best way to find what fields need.

Fertilizer recommendations

(Continued from page 54)

extra applications of phosphate and potash for corn. In some cases, 400 pounds or more of 10-10-10 should be plowed under.

Area 3. Moderate fertilizer response is the rule in this area. For hill or row applications on corn, 100 pounds of 5-20-10 per acre provide the recommended amounts of plant food. Light colored Fayette soils are often deficient in nitrogen.

For small grain and legume seedings, use 250 pounds of 6-24-0 if past management has been good. On "thin" soils, 300 pounds of 10-20-0 should be better.

Area 4. This area includes a wide variety of soil conditions. As a result, fertilizer needs can be expected to vary widely.

In general, hill or row fertilizer for corn on black to brownish black soils (level or nearly level) should be about 100 pounds per acre of 5-20-10 or 5-20-20.

The dark brown rolling soils are better able to supply potash. The 100 pounds of 5-20-10 or even 85 pounds of 6-24-0 should do.

The light brown to gray soils should get the full potash treatment—100 pounds of 5-20-20.

Now for small grain with legume seedings. On level dark colored soils, 200 pounds of 0-20-0 per acre are recommended. If field may be short of nitrogen, try 165 pounds of 6-24-0. If you, are sure the field needs nitrogen, 200 pounds of 10-20-0 might be even better.

Well managed light colored soils can use about 330 pounds of 6-24-0. If soils are "thin," switch to 400 pounds of 10-20-0 or 10-20-10.

Extra nitrogen is often needed in this area. A few soils may be quite deficient in phosphate.

Area 4a. General fertilizer response in this area is moderate. Nitrogen needs are usually high. Most of the soils are well supplied with potash.

In general, 100 pounds per acre of 5-20-10 will take care of hill or row fertilizer needs of corn. Here's where the extra nitrogen often pays off.

For small grain and legume seedings on dark brown to black soils, 100 pounds of 13-39-0 is recommended. That's if the soil has been well managed. Otherwise, 200 pounds of 20-20-0 might be better.

For brown soil with gravel in the subsoil, more phosphorus is needed. Well managed fields can use about 250 pounds of 6-24-0. Others need about 300 pounds of 10-20-0.

Area 5. Proper use of fertilizer means profit on nearly all soils in this area.

About 100 pounds of 5-20-20 per acre applied with a planter attachment will pay on most corn.

For small grain with legume seeding, about 300 pounds of 5-20-10 are recommended. If soils are "thin," increase this to 400 pounds. Legumes generally give good response to phosphate.

Over a third of the soils in this area are expected to give good response from extra phosphate. In some cases, extra potash is needed.

Applying nitrogen on Steve Anderson farm, Dallas county, Iowa. Shown is Harold Simpson.

Area 6. Response to phosphate and potash fertilizer has been limited in this area. But many soils are definitely short of nitrogen.

Hill or row fertilizer for corn often gives a rather small response in this area. But from 85 pounds of 0-24-0 to 100 pounds of 10-20-0 per acre may return a profit. Extra nitrogen often gives a good profit on corn.

For small grain and legume seedings, well managed fields can use about 150 pounds of 10-20-0. In some cases, a higher proportion of phosphate may pay off. Where management has not been quite as good, 150 pounds of 20-20-0 is recommended.

Area 7. Soils of this area vary greatly in fertilizer response. Nitrogen is short on most of the upland soils. Phosphate is often needed—particularly on the Ida soils (light colored soils with lime pebbles).

On the brown upland soils, corn may need up to 100 pounds of 10-20-0 applied with a hill or row attachment. On most of the Ida soils, 300 pounds of 20-20-0 should be broadcast and plowed under. This can be in addition to hill or row fertilizer. Or it can serve as an effective substitute on these soils.

For small grains and legume seedings on the brown upland soils, apply 200 pounds of 10-20-0 or 20-20-0 depending on the need for nitrogen. On the Ida soils, 300 to 400 pounds of 20-20-0 are recommended. Use the heavier amount if the soil is "thin."

Area 8. Phosphate often gives a good response in this case. Nitrogen needs vary.

Hill or row applications of fertilizer for corn may vary from 85 pounds of 6-24-0 up to 100 pounds of 10-20-0 per acre. Broadcast application of 200 pounds of 10-20-0 or 20-20-0 is more profitable on some fields.

Well managed soils are likely to need about 165 pounds of 6-24-0 for small gains and legume seedings. Where management hasn't been top notch, 200 pounds of 10-20-0 are recommended.

These recommendations are just general "averages" of fertilizer needs on most soils in each area. They are not intended as exact recommendations for your farm. And they are not intended to replace soil tests.

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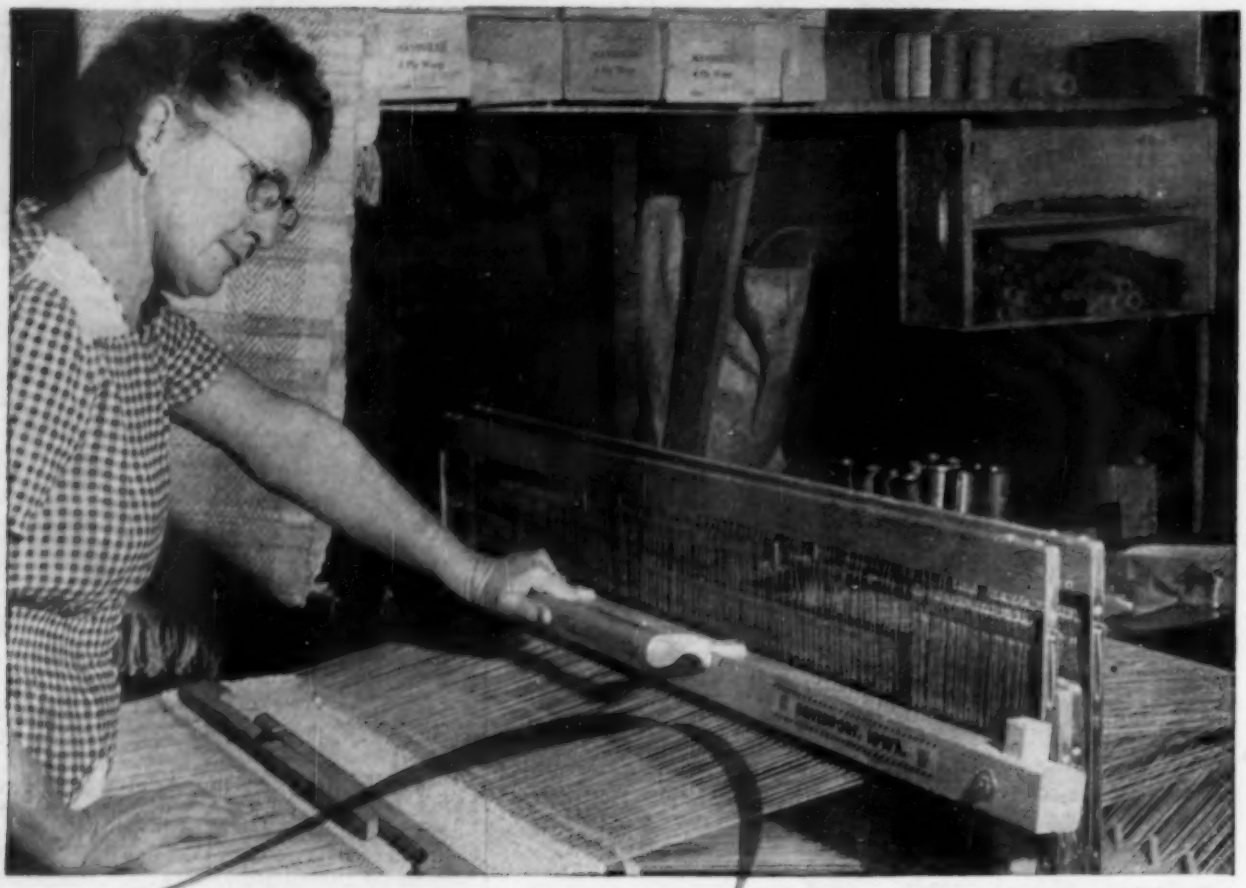


MRS. ARCHIE PETERSON, Hamilton county, Iowa, whose hobby is rug weaving, makes beautiful rugs from old materials.

Rags to rugs

"I'LL HAVE to get a loom and weave rugs myself," Mrs. Archie Peterson of Hamilton county, Iowa, remarked jokingly to a friend about 10 years ago.

Rag rugs have always been a good sales item at church bazaars. But it had been getting harder and harder for the women in this community to find someone to do the weaving.

It may have started out as a joke, but before long Mrs. Peterson was seriously thinking of buying a loom. Her family was pretty well grown. She had the time and had always like to work with her hands.

After considerable studying, Mrs. Peterson purchased a four-harness loom. She felt she could weave more interesting and attractive rugs with this loom. It would also give her a chance to create new patterns.

The loom was delivered in a "knocked down" state. Mrs. Peterson called her friend and neighbor who lived across the fields, Mrs. Carl Chicken, to help her assemble it. Mrs. Chicken brought her two little girls with her, and between the directions and their own natural instincts, the women got the loom assembled before night.

This was the beginning of an interesting and profitable hobby for the two women.

MRS. PETERSON fills cartridges with rags. These are fitted into shuttle before weaving.

Mrs. Chicken has continued to help with the weaving, the "warping up" and in the creation of new weaving patterns.

At first, the women wove rugs for themselves. But before long, they were turning out attractive and firmly woven rugs not only for themselves but for many women and organizations in their community.

As their business increased, Mrs. Peterson purchased a second, four-harness loom. An old milk house that was close to the kitchen door was converted into a weaving room. This room had good light, good ventilation and a solid concrete floor. It was an ideal place to work.

Last year, in addition to their regular work as farm homemakers, these women turned out more than 500 rugs. Orders come from a radius of about 50 miles. But often they get orders from other states. Mrs. Peterson says modestly that their customers are satisfied.

What makes a good home-loomed rag rug? Mrs. Peterson says that almost any kind of material can be made up into attractive rugs.

Old sheets or old chennile bedspreads make soft bathroom rugs. Some women like to use new material and send for bright colored scraps from shirt or blanket factories. Rags are sewed together and rolled into balls ready to be woven into rugs.

Mrs. Peterson works with many different colors of carpet warp. She reports that there have been many demands for rugs woven with black warp in recent months. This may be due, she feels, to the popularity of wrought iron in furniture and decorations.

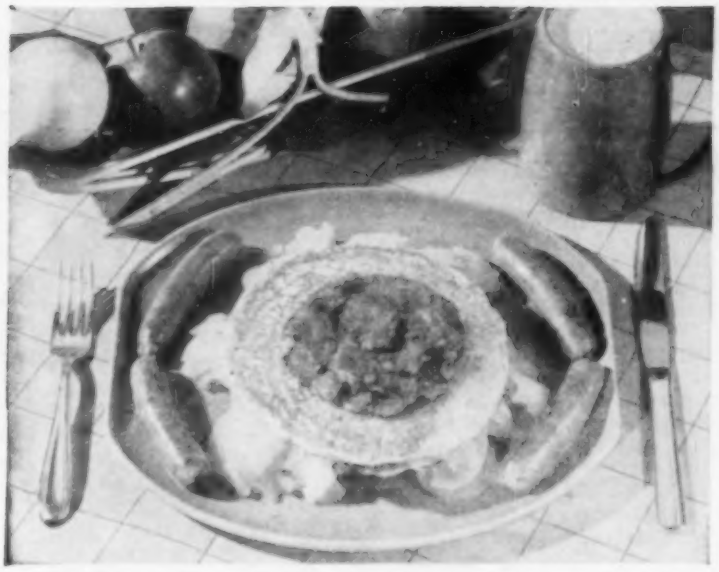
When made from old materials, these rugs are relatively inexpensive for Mrs. Peterson charges by the yard and this includes the cost of the warp.

Many orders come during the spring after a winter's sewing of carpet rags or in the fall when plans for church bazaars are in process.

Mrs. Peterson took four rugs to the State Fair this year and came home with three blue ribbons. She enjoys weaving and her customers are pleased with her work.—Z.M.

Homemaking Today

Edited By ZOE MURPHY



PANCAKES are practically perfect for a winter breakfast. For some that are a bit different, you may want to try the recipe for buttermilk pancakes that appears below.

Cookery corner

Buttermilk Pancakes

3 eggs—separated
1⅔ cups buttermilk
1½ cups sifted flour
1 teaspoon baking powder
1 teaspoon soda
½ teaspoon salt
1 tablespoon sugar
3 tablespoons melted butter

Beat the egg yolks until thick and lemon-colored. Add the milk. Add the sifted dry ingredients, and stir just enough to mix thoroly. Add the butter; fold in the stiffly beaten egg whites. Bake on a hot, lightly greased griddle.

Turn the pancakes when they are full of bubbles on one side. They should be a delicate brown on the underside. For a change, serve with cinnamon butter.

Cream one-half cup butter, one cup confectioner's sugar, one and one-half teapsoons cinnamon and two teaspoons milk together. Spread over hot pancakes.

Tuna Puffs

1 can tuna
5 egg yolks, unbeaten
2 tablespoons milk
2 tablespoons grated cheese (mild)
¼ teaspoon ground sage
1 teaspoon salt
dash of pepper
5 egg whites beaten
fat for frying

Drain the excess oil from the tuna. Then combine all ingredients except the egg whites. Fold in egg whites that have been beaten until they hold a peak. Drop by tablespoons into hot fat one-fourth-inch deep in skillet, and fry until browned. Salmon may be substituted for tuna.—Mrs. Helen Johnson, Jefferson county, Iowa.

Lemon Cheese Pie

¼ cup lemon juice
3 pkgs. cream cheese, or 1 cup cottage cheese
2 eggs, beaten
¾ cup sugar

Mix the lemon juice and cheese well. If cottage cheese is used, push thru a strainer; then mix with lemon juice. Add beaten eggs and sugar. Pour into a vanilla wafer crust, and bake at 350 degrees for 15 or 20 minutes.

For topping, mix one tablespoon grated lemon peel, one tablespoon sugar and one cup sour cream. Let pie cool for five minutes. Spread topping over pie. Return to oven and bake 10 minutes. Chill in refrigerator at least five hours before serving or freeze in your home freezer for a later date.

Vanilla Wafer Crust

1 cup vanilla wafer crumbs (about 30 wafers)
2 tablespoons melted butter
1 tablespoon sugar
1 tablespoon lemon juice
few grains salt

Mix crumbs and melted butter, lemon juice and salt. Press crumb mixture evenly and firmly on bottom and sides of an eight-inch pie pan. Some crumbs can be reserved for top if desired.

Peach Pie

⅔ cup sifted flour
6 peaches
¼ cup butter
1 cup sugar
⅛ teaspoon nutmeg
Pie crust dough

Line a nine-inch pan with pastry. Sprinkle one-half tablespoon of the flour over the bottom of the pastry shell. Slice the peaches into the shell. Combine the remaining flour, butter, sugar and nutmeg, and spread over the peaches. Bake at 425 degrees for 10 minutes. Then reduce the heat to 350 degrees for about 40 minutes more. Cook until the topping is brown and the peaches are done.

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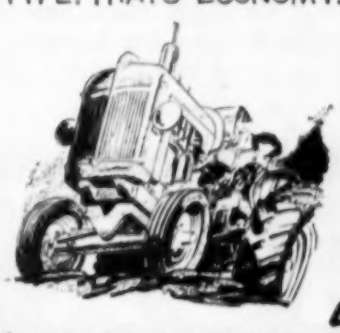
NO "SLOW-GLOW" WHEN IT'S **GAS... LP-GAS.** GAS HEATS **INSTANTLY.** SAVES YOU PRECIOUS TIME. GAS COOKING MAKES FOODS TASTE BETTER, TOO!

LP-GAS HEATS WATER *3 TIMES FASTER!*

NO MORE WAITING FOR HOT WATER. **LP-GAS** IS SO FAST THAT A 30-GALLON GAS HEATER GIVES YOU **MORE** HOT WATER THAN AN 80-GALLON HEATER OF ANOTHER TYPE. THAT'S ECONOMY.



LP-GAS SAVES UP TO $100 PER YEAR ON TRACTOR EXPENSES!

THOUSANDS OF FARMERS NOW RUN TRACTORS ON **LP-GAS** IN PLACE OF GASOLINE. **LP-GAS** MINIMIZES OIL DILUTION AND CARBON. OIL LASTS 4 TO 5 TIMES LONGER. ENGINES RUN **YEARS** LONGER WITHOUT MAJOR REPAIRS!

ARE YOU MAKING THE MOST OF THIS MODERN FUEL?

Liquefied Petroleum Gas (LP-GAS) has virtually *unlimited* farm uses. The same system that supplies your automatic gas range can also heat your water and your home, run your refrigerator and your clothes dryer and *also* supply more *efficient* fuel for tractors, stationary pumps and other farm machinery. Millions on farms now use LP-GAS. Learn what it can do for you. See your dealer today or write to LP-Gas Information Service, Dept. WF-1, 185 N. Wabash Ave., Chicago 1, Ill., for free booklet.

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DEPENDABLE ALWAYS

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HERE IS THE WAY WE LOOK AT RADIO SERVICE SAYS ED MASON . . .

Hi folks! We're here to serve you. Our daily programs are the result of suggestions from listeners since back in 1925. Dial 940 and get acquainted with Bill Hitt, Lloyd Oliver, Len East and the rest of the Farm & Home Radio family. They are experienced radio people and the sort of folks you'd like for neighbors. We think you'll enjoy them and we'll appreciate knowing how we can be of better service to you. Drop us a line. Thanks . . .

DIAL 940

FARM & HOME RADIO

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Des Moines

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RAISE FUNDS easily, pleasantly, for your 4-H, Scouts, F.F.A. and Church projects. Make money selling fine quality Peggy Ann Candy and fresh nuts. Proven by many organizations. No risk. No investment. Write for full information.

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Would you like to visit Alaska in June or September? Hawaii in April or July? Join one of our bargain cruises for Northwest farmers. Write now for free booklet, "Alaska" or "Hawaii" or both to NORTHERN PACIFIC RAILWAY, 809 N. P. Building, St. Paul, Minn.

★Do your buying from firms advertising in WALLACES' FARMER and IOWA HOMESTEAD. If you do not find in WALLACES' FARMER and IOWA HOMESTEAD the articles you want to buy now, just let us know what you want and we will be glad to give you names of reliable firms from whom you can make the purchase.

Homemaking Helps

SO THAT SUGAR on cookies will be distributed evenly on top—sprinkle the sugar on the rolled out dough before they are cut. Roll the rolling pin over the sugar lightly pressing it into the dough.

NEW TYPE INTERLININGS are taking the weight out of winter coats. Last year it was the metallic lining. Now, coats are available with light, warm fiberglass lining.

TO REMOVE LIME from an aluminum teakettle: slowly dry the kettle over a very low flame, being careful not to heat too long. Next turn the kettle bottom side up and tap with a wooden spoon. The lime will crack and drop out. Then add a strong solution of white vinegar and boil for ten minutes. The remaining lime will be removed.

NEW 54-INCH INDIAN HEAD cotton comes in 12 colors. Which means you can make washable, shrink-controlled slip covers for a very moderate price. Also practical for tablecloths, spreads and draperies.

TRY COMBINING COTTAGE CHEESE with the following: Dried fruits, green olives, hard cooked eggs, celery or nuts. Cottage cheese is rich in high quality protein, as well as a good source of calcium and riboflavin.

HANGING POCKETS that resemble a shoe bag are handy in the kitchen. Use them for small items that are easily lost or misplaced; keys, matches, pencil, needle and thread, etc.

TRY SUBSTITUTING 1¼ cups brown sugar for one cup of white sugar in your favorite cooky recipe. The brown sugar adds a different flavor and also helps to keep the cookies more moist.

TO KEEP RICK RACK or embroidery even and flat iron them on the wrong side on a Turkish towel.

WHEN HOT DISHES stick to the oil cloth, never pull them loose. Pour hot water around the dish, and in a few minutes it will loosen, leaving the oil cloth unmarred.

KEEP YOUR OLD POWDER PUFFS for polishing silver. Wash them in warm water, rinse them well and dry them. Then store for future use.

WHEN TYING A PACKAGE for mailing, wet the string. It will tighten as it dries, holding the package securely.

A GOOD WAY TO TREAT dust mops is to barely dampen the mop with a mixture of three parts kerosene and one part paraffin oil. Let the mop stand at least 24 hours before using so the oil will penetrate into the mop and won't affect the floor finishes.

FOR A QUICK DESSERT blend gingersnap crumbs with softened butter and a little sugar and press against the sides and bottom of custard cups or a pie-pan. Chill and fill with a layer of sliced bananas, nuts and top with vanilla pudding.

SALTY TOPPING FOR RYE ROLLS or other light rolls is made by brushing tops of rolls with water and sprinkling with dairy salt. Caraway may be added, if desired.

YOU'LL GET EXTRA VALUE from your nylon stockings when you buy two pairs alike. Then you can discard one stocking from each pair and match the spares for an extra pair.

CUT THE SIDES, ends and top from a loaf of bread. Scoop out the center. Brush with melted butter and brown in oven. Fill with creamed veal or chicken and garnish with sliced hard cooked eggs, and parsley.

THE TEMPERATURE in your refrigerator should never be higher than 50 degrees—but only the freezing compartment needs to be lower than 40. To see if your refrigerator is cold enough but not too cold, put a reliable household thermometer in the box for an hour.

Reading is her hobby

MRS. AUGUST BUHR has the distinction of being the Bremer county, Iowa, woman who has read and reported on the most books this last year. While she reported on 39 books, Mrs. Chester Pals, county library chairman, says that Mrs. Buhr has read at least twice that number.

How does a busy farm woman have time to read? Mrs. Buhr says that occasionally while she is cooking she will prop a book up in the kitchen, she reads while waiting for folks to come in for meals and before she goes to bed at night.

Mrs. August Buhr, Bremer county, Iowa.

Mrs. Buhr is a rapid reader. Many times she reads a book over two or three times.

She likes to write poetry for her own pleasure and that of her family.

Mr. and Mrs. Buhr have six grown children, five daughters and one son.

THE IRONER—one of many "gadgets" that make life easier for farm women today. Mrs. Edgar Sump, Page county, Iowa, mother of three children, sits down to do the family ironing.

Country air

IT'S HIGHLY improbable that Thomas A. Edison could have had in mind thousands of grateful and almost awe-struck farm women when he was experimenting with the strange forces of electricity. Certainly Benjamin Franklin had no thought of the uses of immeasurable power that lay behind lightning when he drew it from the sky with his kite.

What the split atom holds for humanity in terms of power, ease, health, destruction or glorious living can only be a dream in the minds of men like Oppenheimer. When you watch an ocean tide come in and meditate upon its force, you are quite uncertain as to how man can harness that power. You don't know how man will find the mechanical secret of perpetual motion. But somehow in the far reaches of your poor mind, you're sure he will eventually.

It's when you draw these wonders down to terms of our daily lives that we realize how much we owe to so many people. The prized gadgets in farm homes run thru adjustable ironing boards, gas ranges, detergents, windows in oven doors, clocks that companionably strike the hours and kerosene refrigerators.

H.H. of Decatur county, Iowa, says she doesn't exactly get excited over her household gadgets unless something goes wrong with them.

It's the mood created by the power back of it all that moves her to write. "The thing that has made a profound impression upon me is their sound. I wake up in the night with the hum of the electric refrigerator in my ears. It gives me the most delightful feeling of security—of being home.

"It is something like the feeling we used to get when we heard far off from the farm the sound of a train's whistle. A strangeness, yet a comfort. Wonderful power accompanying our daily life. To wake and feel that you were part of some hidden strength being used for you is awe-inspiring."

The dollar prize money for the paragraph that has made life easier goes to Mrs. Alfred Boeckmann of Bremer county, Iowa, for her appreciation of the lowly light bulb itself.

She writes: "The first eight years of our married life were spent without electricity. Our family became five in number. We spent our evenings in the half light of kerosene lamps or the glaring and rather unreliable mantle lamps that could shoot terrifying tongues of flame and unending soot out of their glass chimneys.

"Now light is everywhere! It's marvelous to look around the countryside on a moonless night. A gigantic city hems us in on every side. Beams of light stream from every farm-house and yard. I am thankful for the electric current that makes farm life easier—the light bulb itself. It brought comfort and pleasure to our half dark world."

Mrs. Boeckmann makes one realize what the woman of prehistoric times must have felt when the awful mystery of fire brought safety from wild beasts and warmth to her cave. In a single lifetime, we have known wonders that were undreamed of a century ago. In the light of our own experience, can we doubt that undreamed of wonders are ahead for us too?—Elizabeth Wherry.

Year-around frocks

No. 8208. A charmingly young frock for date wear now right thru the summer. Sizes 10, 12, 14, 16, 18, 20. Size 12, short sleeve, four yards of 35-inch.

No. 8052. Neat yoked style in half sizes, with crisp contrast. Sizes 14½, 16½, 18½, 20½, 22½, 24½. Size 16½, 4⅛ yards of 35-inch; one yard contrast.

No. 8216. Handsomely tailored shirtwaister. In sizes 12 to 42. Size 14, 4½ yards of 35-inch.

No. 8109. Simple wearable dress for women without or with a collar. Sizes 34, 36, 38, 40, 42, 44, 46, 48. Size 36, without collar, 4⅛ yards of 35-inch.

Nos. 8214 and 8215. Full-skirted styles that match. No. 8214 is in sizes 11 to 20. Size 12, six yards of 45-inch. No. 8215 is in sizes 3 to 8 years. Size 4, two yards of 45-inch. Two patterns, 30 cents each.

Patterns are 30 cents each. Coin preferred. Send an additional 30 cents for a copy of the new spring and summer fashion book. Address orders to Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

IF THIS WERE YOUR CHILD—

What Would You Do to Relieve His Croupy Cough

FROM A COLD?

You'd go right to work on it, the *surest* way you know! If you are like millions of mothers, that way would be with *steam*—medicated with Vicks VapoRub.

It's a *special* tried and proved way to get VapoRub's medication deep into the dry, congested breathing passages where colds cause so much trouble.

Helps Break Up Congestion Fast

It works so quickly! The steam rushes comforting VapoRub medication right where it's needed. Every breath your child takes helps relieve the choked-up feeling, helps relieve that dry, stuffed-up sensation. The coughing quiets. He breathes easier. So *much* relief—yet it's so simple to get! Just follow directions in the package!

Give Him Hours of Comfort

To keep up the relief, rub VapoRub on his chest, throat and back. It stimulates the skin, soothes away muscular aches. And VapoRub keeps on bringing relief for hours—even while he sleeps.

So remember, when croupy coughs of colds strike your youngster—or *anyone* in your family—use dependable Vicks VapoRub—in *steam!*

VICKS VAPORUB

Vicks . . . World-leading Colds Specialists

YOUR CAKES AND PIES

WILL ARRIVE "KITCHEN FRESH"

IN THE Peoria ALL-PURPOSE FOOD CARRIER!

$4.95

Hot dishes — cold dishes — pies — cakes or cookies can be carried easily . . . will arrive at the social or party in perfect condition in the *two compartment* Peoria Food Carrier. Also serves as a beautiful two compartment food storage cover in your kitchen.

Modern chrome steel design blends with any kitchen color — keeps spotless — finish will not smudge.

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BEST TOMATO FOR THE UPPER MIDWEST

RECORD YIELDS 16½ TONS PER ACRE

The ideal tomato for home or market. Starts fruiting early, bears heavily until frost. Grows vigorously, resists blight. Vines spread to 5 feet across! Fruit is medium size, smooth, globular, free from cracks and blemishes. Bright red throughout. Write for trial packet.

NEW SEED & NURSERY ANNUAL describes many other high-yielding, disease-resistant hybrid vegetables . . . onions, watermelon, squash, eggplant, asparagus, cucumber. Also newest FARM SEED VARIETIES and hardy nursery stock. Send coupon today!

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NAME _____
CITY _____ STATE _____

Various types of plastic bags are handy for the traveler when packing shoes, hose, jewelry and cosmetics.

Plastic bags are versatile

There are practical uses for bags of many different sizes

WE find uses of plastic bags are many and varied. Storing foods in them in freezer and refrigerator is only the beginning. We have plastic bags from tiny ones suitable for packing a few candies or nuts in the children's lunch to large bags for storing garments and bedding.

Each kind of fruit or vegetable in the refrigerator, if kept in its own bag, is easy to find, instead of being in a jumble of mixed foods. Even the muskmelon is incased in its own bag.

Salad ingredients kept separately and mixed before serving remains crisp without getting soft and watery. When going on a picnic, we wrap individual foods separately. Even the lowly moistened wash cloth, to be used on sticky fingers, finds its place in a plastic bag.

Some of our little used silver or that not on display, is placed in individual plastic bags, just right for each article. The server, the gravy boat, the Swedish bowl are all easy to locate if needed and untarnished too. A tray hurriedly slipped into a plastic tray case will be unscratched by the adjacent ones. Seldom used china will not have to be washed before using, because of an accumulation of dust, if each piece is put into its individual container.

Plastic bags are a must for us for traveling. They are transparent, light in weight, take up little room and are versatile in their usefulness. Any spillages can be carried without fear, if caps are first wrapped with a cellophane tape, then inserted in the bags.

We tuck nylon hose into plastic bags to keep them from getting snagged. Boxes take up room and require corners to themselves, but bags are flexible and sort of fit into the contour of the articles packed around them. They are wonderful for packing shoes, slippers and drizzle boots.

Any garments we wish to keep separate from other garments can be isolated in this way. We also use plastic bags in the glove compartment of our car.

We find that mothproof and dustproof zippered plastic bags come in many sizes for storing furs, millinery, garments, blankets and bedding. There are also those made for covering pillows, for people who are allergic to feathers.

When we go on vacation for a week or two, we use plastic bags

Blanket and garment bags are useful for storage.

for plant guards to keep our house plants from drying out. We water the plant and place it in a plastic bag, tying the bag around the stem of the plant. Moisture does not readily evaporate from the plant.

In the garden, the plastic bag comes into its own when tied over plants for pollinization or for saving precious seeds.

As a holder for paper bags laid flat, the plastic bag is ideal. At the beach or swimming pool, separate plastic bags for bathing suit, towel and soap are blessings in disguise.

Roll cracker or bread crumbs in a heavy plastic bag. It keeps crumbs from scattering and you can see when they are fine enough.

These bags have become so popular and inexpensive that the average housewife cannot afford to be without them.—Irma and Ethel Garner.

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QUALITY HOUSING

FAST...EASY...DISTINCTIVE
Save Hundreds of Dollars

Compares favorably with conventional building but with savings in prices through sectional construction. Many models—floor plans and features for every price and taste.

Home-Way cuts out costly hand labor; uses fast, accurate machines. You save by mass purchasing and processing of quality materials. Orders filled promptly; often under roof within one day after delivery to your site. Blueprints, instructions furnished; expert supervision if you want it. Precision sections go into place smoothly and rapidly. Many buyers do much of their own work.

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GBH-WAY HOMES, WALNUT, ILL.

Wonderful NEW *Esco* QWIK-WAY
HOME PASTEURIZER

- Pasteurizes in 15 minutes
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- Fully guaranteed

Same principle used in commercial dairies. Preserves full natural flavor and sweetness of milk. Sanitary milk container removable for quick cooling, storing in refrigerator. Aluminum and stainless steel construction; compact, lightweight, easy to clean. No moving parts, no timer to set.

1 gal. size **$28.95** Full 5 qt. capacity

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BLUING ADDS WHITENESS TO YOUR WASH

For whitest white clothes every washday, follow the swing to real bluing . . . Mrs. Stewart's Liquid Bluing! Works in all washers. . . . Automatic or regular. Get Mrs. Stewart's Bluing at your food market . . . try it and see!

MRS. STEWART'S
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Free Book on Arthritis And Rheumatism

HOW TO AVOID CRIPPLING DEFORMITIES

Explains why drugs and medicines give only temporary relief and fail to remove the causes; tells all about a proven specialized non-surgical, non-medical treatment which has proven successful for the past 36 years. Write for this 44-page FREE BOOK today.

Ball Clinic, Dept. 40, Excelsior Springs, Mo.

SENSATIONAL BARGAIN! Two jumbo prints each good negative for the price of one, with this ad. 8 exposure roll Jumbo 35c, 12 exposure 50c. No limit number rolls with ad. Billfold prints 20 for $1.00. **L. I. EASTMAN STUDIO, Bode, Iowa.**

12 JUMBOS FROM ANY SIZE ROLL DEVELOPED 25c WITH THIS AD ONLY. **O. SKRUDLAND, Lake Geneva, Wis.**

Don't Take a Chance

on missing a single issue of Wallaces' Farmer and Iowa Homestead. If it's time to renew your subscription, get your order in the mail today!

DO IT NOW!

Keep in step

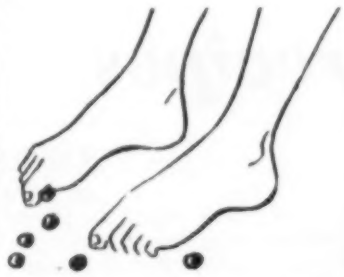
Your feet are important. Probably nothing is worse than trying to work when your feet are tired and aching.

It's a good idea to change your shoes frequently and not wear the same shoes two days in succession. Between wearings sprinkle foot powder inside the shoes, and allow them to air.

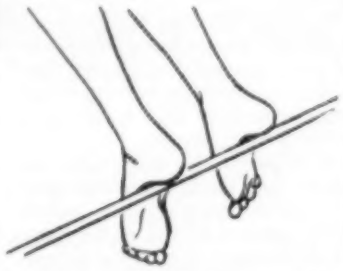
A quick pickup for tired feet is to plunge them into warm water, then splash them vigorously with cold. Rub hard with a rough towel, then dust with powder.

Foot exercises that limber and strengthen muscles also prevent tiredness and aching. Some good exercises are illustrated here. Take time out each day for a few minutes of foot care, and you will be well repaid.

To strengthen your arches, sit or stand with the feet parallel. Raise the arch by attempting to draw the toes toward the heel. Turn the toes inward, as if gripping the ground.



Another good exercise to strengthen your arches is to try to pick up a pencil or marbles with your toes.



An easy and restful exercise is to roll your instep on the round rung of a chair.

Stand on a low stool or on a book, with the toes protruding over and grasping the edges.

"When equipment breaks down, we locate parts by phone and save time and driving," says C. W. Carlson.

"We do a lot of our farm work by phone"

. . . agree Mr. and Mrs. Curtis W. Carlson

"We'd be on the run all the time if it wasn't for our telephone," points out Mr. Carlson.

"We use it to order machine parts and feed. We check the market by phone before buying or selling cattle. And it saves us a lot of time in arranging jobs for our custom-harvesting equipment. Of course we'll never forget that day in 1941 when we saved our house by phoning the fire department!"

Mrs. Carlson uses the telephone for her church and school activities. She also likes to keep in touch with nearby friends and relatives as well as those she calls by Long Distance.

"Folks often phone to see if we're home before they drive over," says Mr. Carlson.

NORTHWESTERN BELL TELEPHONE COMPANY

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MINNESOTA *Certified* Seed Potatoes

are grown under rigid requirements and inspected by well trained, qualified inspectors of the State Department of Agriculture. CERTIFIED SEED POTATOES ARE SOLD BY THE GROWERS. . . . Select your variety . . . we supply the grower. List of Growers available on request.

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DEPARTMENT OF AGRICULTURE

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U. of M., St. Paul Campus, St. Paul, Minn.

Protect your chick investment

A. R. WOOD "RADIANT" GAS BROODER

fueled by

THERMOGAS or RAPID GAS

The preferred

LP BOTTLED GAS SERVICE

Gives you healthier chicks — bigger profits

These special features of the A. R. Wood Gas Brooder, fueled by Thermogas or Rapid Gas, reduce chick losses, lower costs and save you money:

- Multi-Burner Design — distributes heat evenly—uses less gas more efficiently
- Infra-Red Heat — radiates warm, dry air—cuts chick mortality
- Ample Floor Space — large canopies allow 7 sq. in. floor space per chick
- Wafer Thermostat — accurate within 1° under all weather conditions
- Connecting Flash Tubes — light all burners from one pilot—prevent failures

More A. R. Wood Brooders are in use than any other make

Get an "ENGINEERED INSTALLATION"

Whether you need one brooder or a battery, your Thermogas or Rapid Gas Dealer has the "know how" to give you an "engineered installation" assuring complete safety and economy of operation.

Protect Your Chick Investment

MAIL THIS COUPON TODAY

RAPID THERMOGAS CO., 4309 E. 14th, Des Moines, Ia.

Please send me folder describing the A. R. Wood "Radiant" Gas Brooder and name and address of my nearest Thermogas or Rapid Gas Dealer.

Name .....

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R. P. Bow (Rapid Pool Delivery) brings "city convenience" to your home

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These Bottling Plants Assure Prompt Dependable Service Through Your Dealer

Algona • Cedar Rapids • Cherokee • Clinton
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LP GAS

Live better as millions of families do with

Mrs. Anson Vinall, Hamilton county, Iowa, keeps her cookbook up-to-date. Her favorite hobby is collecting recipes.

Mrs. Vinall also enjoys her collection of glass and china. Here are displayed some of her attractive pieces.

Her hobby is recipes

Farm woman collects and compiles recipes for an interesting hobby

FRIENDS and neighbors of Mrs. Anton Vinall of Hamilton county, Iowa, say that she is an excellent cook. Mrs. Vinall admits that collecting and compiling recipes is her favorite hobby and says that she loves to cook.

The fact that her family is enthusiastic about her meals adds to her pleasure in cooking. The family consists of her husband, daughters Jean and Nancy and a small son, Steven.

Last summer, Jean, age 11, asked her mother for her currant jelly recipe. As a result Jean entered a jar of her jelly at the county fair and won second place. It happened to be the first jelly and the first fair entry she had made.

It looks as tho Mrs Vinall not only is a good cook and teacher, but she is already being challenged for her reputation as a good cook by a member of her own family.

Here are some recipes that are popular with the Vinall family:

MEAT SAUCE FOR SPAGHETTI

1 pound hamburger
1 cup chopped celery
1 can of tomato sauce
2 cups canned tomatoes
1 small can mushrooms
2 teaspoons garlic salt

Cook the celery until tender. Mix all ingredients together, and simmer until the meat is thoroly cooked. Season with salt and pepper to taste. Cook spaghetti in boiling salted water until tender. Place on platter or serving dish, and pour the meat sauce over it. Serve immediately.

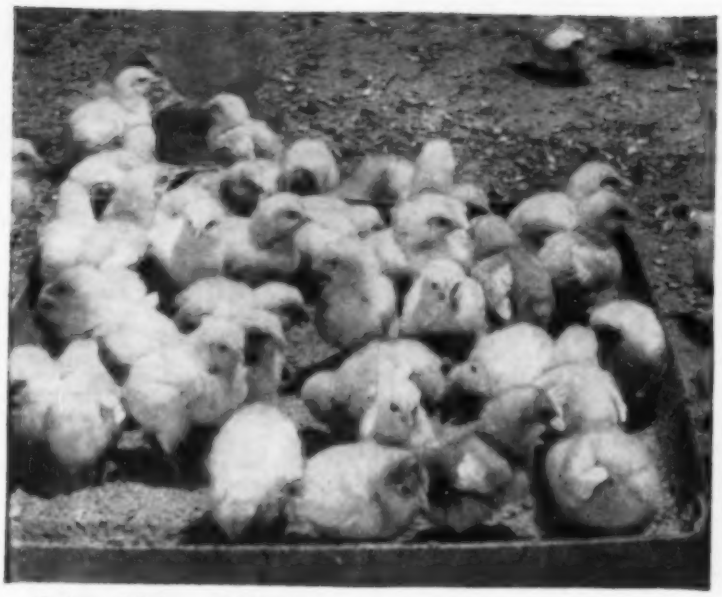
CEREAL COOKIES

1 cup shortening
1 cup brown sugar
1 cup white sugar
2 beaten eggs
2¼ cups sifted flour
1 teaspoon soda
1 teaspoon salt
1 cup crisp wheaties
1 cup oatmeal
1 teaspoon vanilla

Cream the shortening; add the sugar, and mix well. Add the beaten eggs. Sift the flour, soda and salt together, and add to the first mixture. Add the cereal and vanilla. Nuts, chocolate chips or raisins can be added as desired. Bake at 350 degrees for about 10 minutes.

CREAM CHEESE SPREAD

A good spread for crackers is made by creaming together a small package of cream cheese, one teaspoon mayonnaise, and one-fourth teaspoon garlic powder. Serve with cold milk.



Baby chicks will be delivered soon. You need to clean the brooder house and equipment before the chicks arrive. Test brooder stove to see if it's working properly. Repair or replace worn parts or equipment.

The farm flock

MIDWEST POULTRYMEN are planning to buy fewer chicks this year than last year. However the cut may not be enough to bring the number of chicks down to the average.

▾ ▾ ▾

HATCHERIES are setting only the number of eggs to fill chick orders. Get your order in early, and you can get the breed or strain of chickens you want. Most hatcheries give a discount for early orders.

▾ ▾ ▾

POULTRY LICE and mites may cut egg production 10 percent or more. Check layers, roosts, etc., for signs of these pests.

▾ ▾ ▾

EGG PRODUCTION in Iowa during December, 1954, was the highest since records were started 30 years ago. Hens on Iowa farms laid 457 million eggs in December compared with the 423 million eggs produced in December, 1953, and the 10-year average for December of 327 million eggs.

▾ ▾ ▾

RATE OF LAY during December, 1954, was 1,624 eggs per 100 hens. This is the highest rate of lay for the month on record.

▾ ▾ ▾

EGG PRODUCTION on Iowa farms in 1954 totaled 4,929 million eggs. This estimate may be compared with the 1953 production of 4,673 million eggs and the 10-year average of 4,410 million eggs.

▾ ▾ ▾

FARM FLOCKS in the U. S. laid five percent more eggs in December, 1954, than in December, 1953. The total egg production for 1954 was up five percent over 1953 and 13 percent above the 10-year average.

▾ ▾ ▾

LAYERS AVERAGED 184 eggs each in 1954 for the U. S. compared with 182 for 1953 and the 10-year average of 161 eggs per layer.

▾ ▾ ▾

SOME POULTRYMEN in northern Missouri and southern Iowa are planning to produce hatching eggs this year for a broiler chick hatchery in Georgia. The hatchery offers to pay a minimum of 65 cents per dozen for eggs weighing 23 or more ounces per dozen. The producers agree to buy chicks from the hatchery at 36 to 40 cents each and raise them to laying age. They also pay $12 for each 100 hens as rent on roosters. The hatchery maintains ownership of the roosters and has fieldmen who cull the flock and do any vaccinating necessary. The hatchery also determines the type of feed to be fed to the laying flocks.

▾ ▾ ▾

IOWA TURKEY growers intend to raise five percent more turkeys this year than last year. If they grow as many turkeys as they indicate, a total of 4,358,000 will be grown in Iowa in 1955. The nation's turkey growers indicate they will cut production by four percent this year from last year.

▾ ▾ ▾

HEAVY BREED TURKEYS produced in Iowa in 1955 will increase nine percent if growers carry out their present intentions. This will be partially offset by a decrease of 21 percent in small breed turkeys.

▾ ▾ ▾

TURKEY PRODUCTION intentions of growers in five states indicate they will produce about half the nation's turkey crop in 1955. California leads with an intended crop of 9,212,000. Second is Minnesota with 8,038,000. Virginia is third with 4,861,000, Iowa fourth with 4,358,000, and Texas is fifth with 3,042,000. Total intended production for the five states is 29,511,000. The estimated national turkey production for 1955 is 58,896,000.

Late results from

ACROSS the NATION...

This pen of Honegger Leghorns topped the 1952-53 California Net Earnings Test with $7.90 per bird egg income above feed cost in 50 weeks!

Honegger Leghorns prove their superiority in the national egg laying contests!

- **In the 1952-53 California Net Earnings Test, Honegger Leghorns netted $7.90 each during the fifty weeks. This was $2.31 more than the average of the other birds in the test. Winning the 1952-53 test gave Honegger Leghorns first place for the three-year period with an average egg income of $7.15 above feed costs. Livability was 91% and the average egg production 259.8 per hen. Again in 1954 Honeggers were still first for the three-year period. GET HONEGGER LEGHORNS AND YOU WILL GET THE BEST!**
- **ACROSS THE NATION. The overall average egg production of all contests across the nation reached an all-time high in the 1952-53 tests in which Honegger Leghorns competed against 8,840 birds entered by the thirty-three outstanding poultry breeding farms of our country. Here's how much better the Honegger Leghorns REALLY were.**

	Average of All Birds In All Tests	Average of All Honegger Leghorns	Difference
Eggs laid	222.83	269.01	46.18 Eggs
Points	231.42	281.90	50.48 Points
Livability	86.48%	92.31%	5.83%

- OUTSTANDING PERFORMANCE ACROSS THE NATION — Here is another outstanding achievement. In the New York Random Sample Laying Test just completed, Honegger Leghorns hold 2nd place for a three year average.
- IN THE NEW 1954-55 NATIONAL EGG LAYING CONTESTS 8 out of 9 pens entered by Honeggers are in the top 10 pens of their respective tests for the first month. First month's reports show Honeggers with the 3rd highest pen in the nation averaging 94% production. These are the kind of champions that farm people can rely upon. These are the kind of champions which farm people have been buying by the millions!
- HONEGGERS BIG "H" FEEDS for all livestock and poultry are backed by more than a quarter of a century of scientific research and and testing on Honeggers' 600 Acre Practical Test Farm at Forrest, Illinois, where Honeggers own and operate the nation's largest U. S. Certified Hatchery.

FLASH! Latest contest results at the end of the 14th week put HONEGGER LEGHORNS in FIRST PLACE with the HIGHEST PEN IN THE ENTIRE NATION!

HONEGGER'S

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Gives pigs a good start—keeps them snug, dry, free of worms and disease, thrifty and growing. Saves work—so easy to tend 3 sows and litters under one roof.

TIGHT, WARM Winds sweep right over the rounded roof. Warming sunshine pours through 2 south windows. Floor of heavy rough boards over 4x4-in. skids. Front wall of flooring. Rear wall and ends of tongue-and-groove material. Pig rail around entire interior. Partitions removable. Choice of roofing: slate roll roofing, asphalt or wood shingles, corrugated steel. 7x18-ft. Also built in 2-pen unit—7x12-ft.

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Dressed like a scarecrow
Is Willie Woolley
Since he caught his clothes
In the pulley.
—Beth Wilcoxson

New Poultry Group In Missouri

Poultry industry leaders in Missouri have organized a poultry and egg board to promote the use of poultry products in the state.

Board membership is made up of three existing poultry organizations—Missouri Poultry Improvement Association, Missouri Turkey Federation, and Missouri Poultry Council.

The poultry and egg board activities will be financed primarily from three sources. Turkey hatcherymen will collect one cent for each poult sold and five cents for each bird banded in turkey breeding flocks. Chicken hatcherymen will add a quarter-cent per bird charge on each band used in flock selection work. An estimated $23,500 will be raised.

The money will be used to pay Missouri's quota of the national poultry promotion organizations program. About $13,000 will be used by the new board to promote poultry and egg consumption in Missouri.

North Dakota Egg Law Works

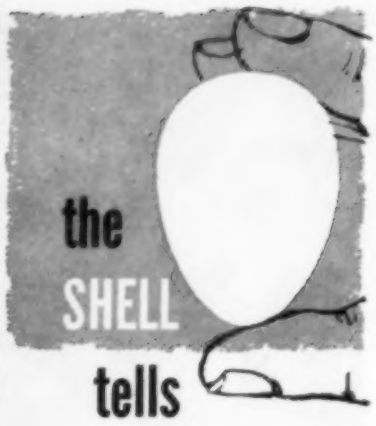
Egg price difference between Iowa, Minnesota and North Dakota eggs has been reduced three cents per dozen in three years, says Lloyd Forness, poultry marketing agent for the North Dakota extension service.

This improvement in the market for North Dakota eggs is considered remarkable, since the revised egg law has been in effect such a short time.

Progress in egg marketing is a credit to producers and poultry industry members. And to the enforcement of egg quality regulations by the North Dakota State Laboratories Department.

Except for the hot weather months of June, July and August, North Dakota egg prices have been comparable with Minnesota, South Dakota and Iowa average egg prices for 1954. North Dakota egg prices in the fall months have exceeded those of the other three states.

"We have received greater local and midwest acceptance of our state's improved egg quality. Information has been received that North Dakota eggs are now being accepted more readily at the larger terminal markets," Forness adds.



Eggs with very thin, cracked or dirty shells must be down-graded, regardless of interior quality. That means less money for you.

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Austra X Whites, Min X Leg., White Leghorns	10.90	3.90	22.90
New Hampshires, Barred, White Rocks, White Wyandottes, S. C. Reds	10.90	10.90	15.90
Mixed Heavies. No Leghorns.	8.90	7.90	13.90

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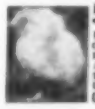

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TOULOUSE AND EMBDEN GOSLINGS.
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Debate U.S. stand in Asia

Readers respond to letter in last issue criticizing editorial, "Ike's For Peace"

Faults Editorial Policy

To the Editor: I want to salute Mr. J. G. Seablom of Woodbury county, Iowa. He describes you perfectly. The only place I might disagree with him is where he calls your rabble-rousing "stupid," I would rather label it "deliberate and calculating."

Your editorial policy is consistent only to the extent that you appear to have but one purpose and goal. You are obviously working hard to destroy the confidence farm people have in the present administration.

The ease with which you employ half truths and misquotes to discredit and denounce only serves to show how unscrupulous you really are.—G. Rass, Marion county, Iowa.

The editorial with which Mr. Seablom and Mr. Rass disagree was one commending President Eisenhower for trying to avoid war in Asia.—Editor.

Apologizes For Letter Writer

To the Editor: My apologies for Mr. J. G. Seablom. There being over five million farmers in the U. S., it is understandable that there are a few whose judgment . . .—"Another of the Five Million," Kossuth county, Iowa.

Thanks Him For Stating Views

To the Editor: I agree 100 percent with Mr. J. G. Seablom's letter in your January 15 issue. I wish to thank him for stating my views so nicely.—Ralph J. Norman, Jr., Blue Earth county, Minn.

"Rattling Bombs No Answer"

To the Editor: I agree with Wallaces' Farmer and Iowa Homestead. There is an unofficial "war party" . . . that cuts into both the Democrat and Republican parties. It is fortunate that President Eisenhower resists the mad impulses of the "war party" to launch world war III.

Because such honored subversives as George Washington and Thomas Jefferson led a revolt against British imperial rule in 1776, the U. S. has enjoyed the respect and good will of the oppressed peoples of the world until recently.

However, since world war II, we have increasingly given support to a continuation of British, Dutch and French colonial policies. At best, we have been neutral . . .

As we repudiated our ideals . . . we earned the mistrust of oppressed people. In turn, these people are turning to some form of communism or socialism for a solution to their economic and social problems.

Rattling our bombs . . . is no answer to social and economic problems. We need to offer better ideas—such as TVA, REA, slum clearance and financing for such projects . . .—James M. Youngdale, Swift county, Minn.

Fight With Reason, Not Guns!

To the Editor: We are now in a race between education and disaster . . . Let us hope we don't extinguish ourselves with atom bombs. We want to go on fighting—with reason, not guns.

Narrow nationalism, sectionalism and individual selfishness, often expressed thru the feeling that "I (and mine and my country) can do no wrong and others can do no right," must give way. Because it is a lie.

And let none harbor the un-Christian hope that extinction can happen only to the "Godless Russians." History records the fall of the good as often as the fall of the "wicked." They lie together in the earth—what they fought for or against often disproved or forgotten.

Those who preach hate incite war. It is to Mr. Eisenhower's credit that he spoke to restrain those who propose dangerous and possibly unjust methods to satisfy our "honor."—Helen Harrington, Decatur county, Iowa.

"Never A Good War Or Bad Peace"

To the Editor: Who is better qualified to speak of the horrors and futility of war than our president?

Benjamin Franklin said there never was a good war or a bad peace. Wars never settle anything.—World War I Veteran, Madison county, Illinois.

"He's like that most mornings. But after he's had his coffee, he brightens up some."

A New "Miracle Drug" For Fattening Cattle

by Henry Arthur

THERE'S A LOT OF TALK these days about using stilbestrol in feeds for fattening cattle. A series of experiments at Iowa State College has shown that feeding stilbestrol to cattle will increase gains and reduce feed costs.

Technically this drug is known as diethylstilbestrol. It is a female sex hormone. It is *not* a nutrient and cannot be substituted for protein, phosphorus or any other nutrient in a cattle ration.

The best results with the drug have been obtained with well balanced high corn rations fed to steers. Improved performance in fattening heifers has also been reported. A smaller response has been obtained in high roughage wintering rations.

There is still much to be learned about the use of this hormone, so until further experimental results are available, observe these words of caution:

DON'T use feeds containing stilbestrol for feeding the breeding herd.

DON'T allow bred gilts, sows or other swine breeding stock to run in the feed lot with cattle fed stilbestrol fortified feeds.

If you buy a supplement containing stilbestrol for feeding or fattening cattle:

DO follow the feeding instructions on the bag exactly as they are given.

DO buy a supplement that contains linseed oilmeal with vital protein and phosphorus content.

To get that important protein, Minnesota 36% is an excellent linseed oilmeal source. It has high protein efficiency to speed fattening and to put that all-important bloom on cattle. Ask your dealer for Minnesota 36% Linseed Oil Meal in meal or pellet form. It has a greater uniformity and granulation and high water absorption—*and it costs no more!*

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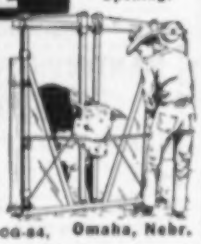

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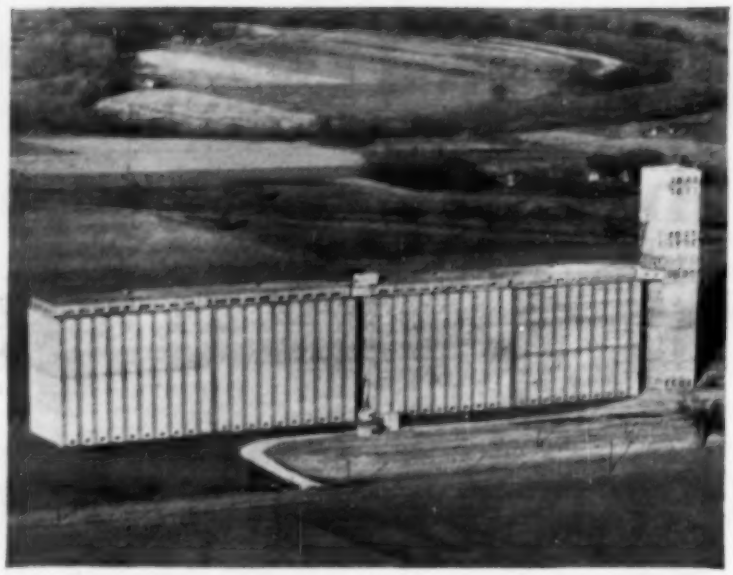

Five million bushel elevator built by the Farmers Grain Dealers Association of Iowa is about two blocks long. Head house is as high as 23-story building.

Dedicate new elevator

Farmers Grain Dealers co-op saves 1.55 cents per bushel for member elevators

FARMERS who own about 335 grain elevators held a convention in Des Moines, Iowa, January 24-26. This was the annual meeting of the Farmers Grain Dealers Association of Iowa. Major events on the program were:

1. Dedication of a new 5,000,000-bushel elevator southeast of Des Moines.

2. Allocation of earnings to the elevators making up the membership of the big cooperative.

3. Discussion of farm policies by officials and outside speakers and adoption of resolutions (see page 67 for summary).

4. Reelection of officers and naming of winners in young folks speaking contest.

A special train of 14 coaches carried about 900 men and women to the dedication of the new elevator southeast of Des Moines.

The folks were greatly impressed by the structure which is about two blocks long and has 277 bins, mostly full now.

The elevator has an automatic car unloader which tips a loaded box car as if it were a cracker box and pours the grain out in about seven minutes.

The elevator is equipped with a temperature control system which will show temperature of grain in all bins at six foot levels.

At the bin site, Marvin McLain, director USDA Grain Division, and Dwight W. Meyer, Iowa ASC chairman, complimented the farmers' association for their big contribution to farmers' interests thru construction of the storage unit.

This 5,000,000-bushel elevator increases total elevator capacity owned by the FGDA to over 8,000,000 bushels. A Chicago unit holds 1,200,000 bushels and an older Des Moines elevator 1,875,000 bushels.

The big co-op saved over $300,000 for member elevators during the last fiscal year, mostly on about 18 million bushels of grain handled.

Allocation to member elevators was over one and one-half cents per bushel on grain marketed and one-half cent on grain consigned.

Of the total savings of $301,777.63, the sum of $269,652.82 was allocated to member elevators. Remaining $32,124.81 was placed in the surplus fund.

"Looking Ahead" was the subject of an address to the farmer-elevator men by president Oscar Heline. He indicated that yet more elevator storage space might be needed.

Heline said he believed in efforts toward satisfactory returns for farmers. Others get government help, he said. Farmers get no more than others.

Nine district winners in the annual young folks speaking contest made presentations during the convention. Subject was "How Farmers Finance Their Cooperatives."

Mary Ann Mousel of Sioux county, Iowa, won first place; Harry Blusys, Pocahontas county, second; Kenneth Johnson, Mitchell county, third; and Marcena Christian, Black Hawk, fourth.

Delegates re-elected as directors, Milford M. Beeghly, Woodbury county; Earl M. Dean, Cerro Gordo; and Albert Koolhof, Hamilton.

Holdover members of the board of directors are: Oscar Heline, Cherokee county; Clint Daniels, Hancock; Fred J. Ludwig, Pocahontas; O. E. Helder, Carroll; W. H. Krause, Story; and Clare O. Myers, Grundy.

After the meeting, the board of directors reelected Oscar Heline, president Milford Beeghly vice president; Don E. Edison, executive secretary.

See it at
- Lindsay Brothers Co.
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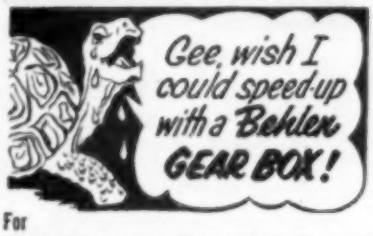

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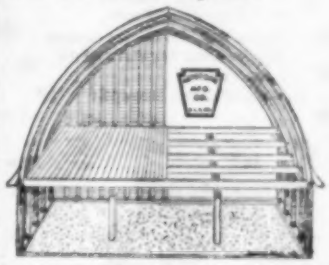

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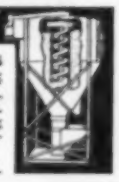

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OPEN-POLLINATED CORN still makes cool. Circular of explanation sent on request. BURT NEAL & SON, Mt. Vernon, Iowa.

Farmers state policies

RESOLUTIONS of the Farmers Grain Dealers Association of Iowa covered the farm program, schools, roads, taxation, social security, separation of Farm Bureau and extension service and other subjects.

Resolutions were prepared by a committee of 11 headed by Milford Beeghly of Woodbury county. Here is a summary on the most important resolutions approved by the elevator men:

Farm Program: Maintain high net income for agriculture. To accomplish this, the elevator men stick to former policy on what is called high price supports. But they would also stimulate exports, use the food stamp plan and enlarge the school lunch program.

The elevator men also suggest that 30 to 40 million acres might have to be retired from production thru a rental policy to get our farm productive plant in line with effective demand.

They also believe that diverted acres should be used only for soil conserving purposes. Rigid cross-compliance policy was approved.

Schools: Increase state aid to relieve property tax burden . . . reorganize schools to create more efficient administrative units . . . But retain control with voters in local districts. A proposal that all voters in a partitioned district should have a vote on reorganization plans was stricken on the floor.

Roads: Speed limits of 65 miles per hour in daytime and 55 at night were approved by the farmer-elevator men. The present gas tax was recommended to be continued. Additional gas taxes were opposed.

Taxation: "We believe that any additional monies should be raised from a state income tax." This was debated but eventually retained.

Full payment of agricultural land tax credits was urged. Also that a study be made of the tax structure. And that state and federal income tax forms be simplified.

Social Security: Farmers should continue to be included with other groups, said the resolution. An attempt to strike this section failed.

Farm Bureau-Extension Divorce: This resolution came from the floor. The ruling that ordered the separation was commended, also the cooperative spirit shown by the Farm Bureau and extension service. Legislature was urged to provide a locally elected supervisory body to promote extension education. The members should be elected at general elections, said the resolution, but "without reference to identity of individuals with any organized group."

AN ACRE of ground to the depth of an average furrow slice contains about two million pounds of soil. No wonder a soil sample, sometimes representing as much as 10 acres, should be made up of a number of subsamples. The one pound sample may represent as much as 20 million pounds of soil on your farm.

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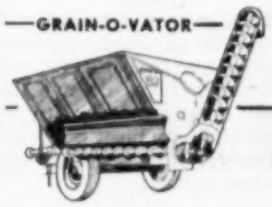

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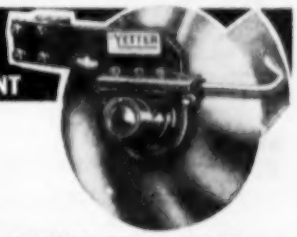

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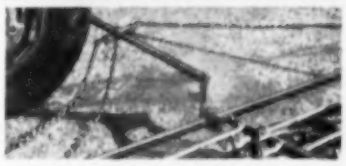

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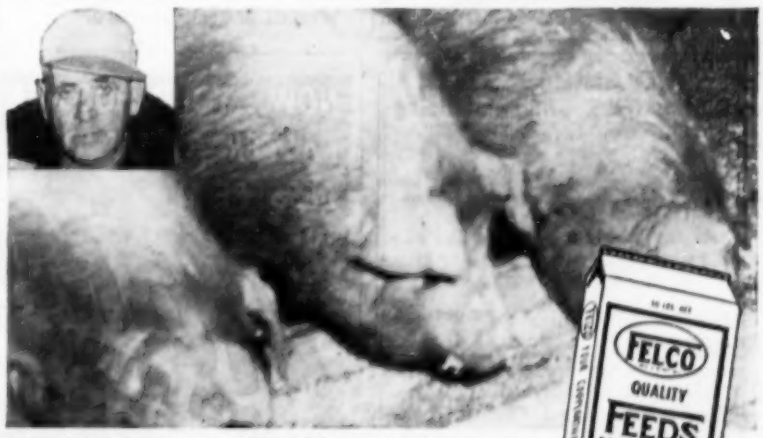

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DEHYDRATED POTATOES now come out mashed after you add milk or water. United States Department of Agriculture scientists have developed potato flakes. They can be produced economically with ordinary drying equipment. Flavor is satisfactory, the scientists report.

CALVES getting a ration made up mostly of silage need some alfalfa hay or concentrated feed. Apparently, calves do not have enough feed capacity to eat enough silage to meet growth requirements. That's according to a Minnesota test.

HOW DOES radiation affect life? Specialists at Iowa State College are trying to find out. They are exposing viruses, bacteria, fruit flies, chickens and mice to radiation in an effort to find out. Work is being done in a new wing of the Genetics Laboratory.

MOST athlete's foot comes from activating fungi already on the feet, says a New York University doctor. Very little of it is passed from one person to another, he points out.

NEW BRIGHTER sealed beam automobile headlight has been introduced by General Electric Company. The high beam is supposed to give 25 percent more light. That lets the motorist see about 100 feet farther ahead.

USE PLENTY of nitrogen if you are growing brome grass. Iowa State College specialists checked seed production of brome without fertilizer. Yield was 112 pounds of seed per acre. When 100 pounds of actual nitrogen was added, yields jumped to 441 pounds of seed per acre.

WARFARIN rat and mouse killers are best when mixed with a cereal grain bait, says the Wisconsin Alumni Research Foundation. Meat and fish baits spoil readily after the container is opened. These baits are more attractive to pets and children, too. Warfarin causes no "bait shyness" even when used with cereal grains, the Foundation reports.

ONE SNOW FENCE can slow wind velocity for distances four to ten times the height of the fence. Same goes for good windbreaks.

EYES of an ostrich may weigh twice as much as its brain.

MORE EFFECTIVE control of anthrax has been announced by Lederle Laboratories Division of American Cyanamid Company. The company says the new vaccine contains spores from a harmless strain of anthrax bacillus. In wide spread tests, the company reports no serious side reactions and no incidence of the disease in vaccinated animals.

IN THE corn and tankage days, it took about 450 pounds of feed to make 100 pounds of pork. Now, 100 pounds of pork can be produced in drylot with only 300 pounds of feed.

AGRI-MYCIN, a combination of terramycin and streptomycin, marketed by Chas. Pfizer & Company, controls bacterial spot in peppers and tomatoes.

RAW MILK handled in bulk had an average bacterial count of 17,400 compared to 54,700 for milk handled in cans. That's according to an Oklahoma test. In addition, bulk handling took less time and had lower milk losses.

NOW...YOUR HOGS CAN MAKE FASTER GAINS ON LESS FEED WITH...

KIDMAN'S BALANCED MINERAL AND PROTEIN CONCENTRATE AND VIGOFAC

Pfizer's New GAIN-BOOSTING FEED-SAVING DISCOVERY

More profits for hog raisers . . . and poultry raisers, too! Kidman's Balanced Mineral and Protein Concentrate is now available with Pfizer's new growth factor, VIGOFAC (The Vigo Factor). Tests were made with outstanding concentrates like KIDMAN'S that already contained such gain boosting ingredients as antibiotics and Vitamin B_{12}. Yet VIGOFAC increased the rate of gain up to 20% and improved feed efficiency up to 10%! Market your hogs earlier this spring . . . get all the profit facts on Kidman's and Vigofac! Write today for FREE information and the name of your nearest Kidman Representative! He'll show you how to make money!

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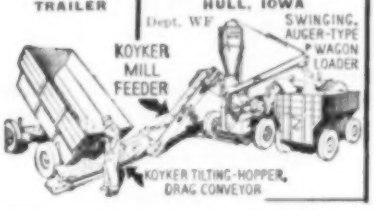

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GUNNING COMPANY, FRANKFORT, INDIANA

Set up stations to test boars?

Swine breeding specialist recommends stations to test performance of boars, locate best strains within each breed

IOWA is ready for a boar-testing program. That's the belief of Dr. L. N. Hazel, Iowa State College swine breeding research man.

Speaking at the Iowa Swine Producers' Day recently, Hazel said that facilities could be available for testing 300 boars in Iowa in 1955. The boar-testing program would help breeders find the higher-producing strains within each breed.

Conveniently located about the state, these stations might be similar to those who produced world renowned quality pork lines in Denmark. The stations would give breeders an opportunity to send in boars to be tested under standard conditions.

If the program is a success and more testing stations are desired, facilities at fairgrounds over the state might be used in future years.

Hazel says a testing station would solve the practical problem of finding and increasing the high-producing strains in all breeds.

The extreme variability found within breeds in recent tests at the college showed the need for testing on larger scale.

In research over the past 18 months, college researchers found an apparent advantage of about 60 cents a hundredweight for marketing meat-type hogs on a rail-grade basis. They compared seven breeds, producing some purebreds and some crossbreds of each of the seven breeds. The factors considered were litter size, livability, growth rate, carcass quality and feed requirements.

They found, among other things, crossbreds grow faster and have slightly less mortality than purebreds. Surprisingly, the crossbreds have slightly fatter carcasses.

In general, the crossbreds were better for commercial hog production than the purebreds. It was discovered that breeds with the fastest growth rate produce crossbreds with the fastest growth rate. And, those with the best carcasses produce crossbreds with the best carcasses.

The crossbreds from the two best breeds averaged 35 cents more per 100 pounds than those from the two poorest breds.

Similarly, crossbreds from the two fastest growing breeds reached market weight two weeks earlier than those of the two slowest growing breeds.

According to Hazel, there's no truth in the commonly held opinion that meaty hogs grow more slowly than fat hogs.

Hazel says the most striking feature of the experiments is the tremendous variation which exists within breeds.

Tho the Durocs, for instance, were over-fat on the average, the researchers had one Duroc line with 21 offspring, 15 of which graded premium carcasses. The same kind of difference was found in other breeds.

This variability makes it important that every swine producer have a chance to test his breeding lines. This can be provided, Hazel says, by recognizing breeders of productive stock thru the testing station plan.

When the college sold the pigs used in its recent breeding experiments, the difference between the pigs from good boars and poor boars, all within the same breed, was 85 percent per hundredweight. This meant a difference of $2 on each 240-pound pig.

Differences such as these should make the testing station idea appealing to American private enterprise in the swine business, Hazel says. He thinks breed and swine producers' associations as well as individuals in the industry would be interested in sponsoring a testing station.

Here are the essentials of a possible testing station plan:

1. Breeders would submit six boar pigs at weaning age from one of their good herd sires. Every effort would be made to get pigs for testing from the most productive lines of breeding in the various breeds.

2. The boars would be given a short adjustment period and records kept on them from approximately 60 to 190 pounds. Each group of six pigs would be divided equally and fed as two pens.

3. The most productive boars in the test would be sold at an auction by the station with information being made public prior to and at the sale. Proceeds from the sale of the boars would be shared by the station and breeders on a percentage basis. In this way, feed and labor costs could be met by the station.

Hazel says the college would cooperate with the testing stations to assure accuracy of the testing work. The college cannot undertake the testing program alone, because it does not fall completely within its prescribed activities of research and education.

Hazel says the progress made so far in swine breeding is only a small fraction of what may yet be accomplished. If we set as standards those factors which add efficiency of swine production, Hazel points out, progress in swine improvement can keep pace with other phases of agriculture.

ABOUT 400 pounds of blood flow thru the udder of a cow to produce one pound of milk.

with HARCO'S STRAW SAV-ALL you eliminate need for raking windrows

cuts labor, time, equipment cost . . . 50%

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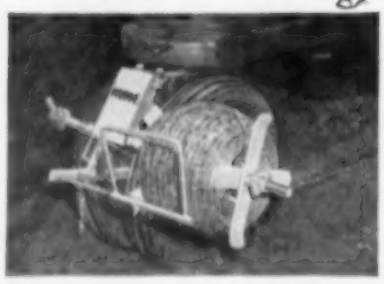

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Iowa may get egg grading law

New egg candling and grading law will be introduced in the state legislature

EGG marketing in Iowa will be changed if the state legislature approves an egg grading law which will be introduced soon. (By the time this issue is in your mailbox, the bill may have been introduced.)

All parts of the marketing system—egg producers, buyers, and consumers—will be affected. Producers will probably get a higher price for top quality eggs. And a lower price for poor eggs.

Here are some of the things that will happen if the proposed law is passed:

Eggs will be bought only on grade. There will be no more current receipts market in Iowa.

Buyers will have to candle and grade all eggs. Teeth in the law see to that. Eggs sold to consumers will have to be grade B or better.

Here are other provisions of the proposed egg candling and grading law:

Every person engaged in the business of buying, selling, receiving or dealing in eggs shall obtain a license and furnish bond to the state department of agriculture for each place where such business is conducted.

Producers who sell eggs produced by their own flocks will not be required to get a license or furnish bond.

Hatcheries won't need a license or bond if they buy eggs only for hatching. Eggs to be used for hatching won't have to be candled or graded. But cases containg hatching eggs must be marked "hatching eggs" in capital letters not less than one inch in height.

The annual license fee for egg dealers and processors shall be determined by the number of cases of eggs purchased and handled. The fee will be based on number of cases purchased or handled during the month of April each year. Fee will vary from $12.50 to $50.

All candlers and graders of eggs must be licensed by the department of agriculture. Before a license is issued, each candler and grader must demonstrate, to the satisfaction of the department of agriculture, capability as a candler and grader. License fee for candlers and graders will be $2.00 per year.

No person shall sell, offer for sale or have in his possession for sale any eggs unfit for human food unless they have been denatured so they can't be used for human food.

Every person buying eggs from producers for resale shall candle and grade all eggs according to the U.S. standards for quality for individual eggs. Eggs must be candled and graded within the state of Iowa or within 50 miles outside the state boundary. Buyers shall refuse to buy eggs unfit for human food.

Candling and grading shall be done in the presence of the producer if requested.

Eggs for resale or retail must be candled, graded and labeled. No eggs shall be sold as "ungraded," "nest run," "current receipts," or any other name which might be misleading. Maximum tolerance of 20 percent may be allowed in grading.

All eggs sold at retail must be no lower than U.S.D.A. consumer grade B.

Eggs offered for sale at retail must be held at a temperature not to exceed 60 degrees Fahrenheit.

A producer's eggs must not lose their identity until candled and graded. One copy of the candling and grading record shall be furnished to the first licensed buyer and one copy to the producer.

No person shall, in buying or selling eggs, take or give a greater or less deduction for eggs rejected as unfit for human food than the actual loss which has been determined by careful examination.

Any person found guilty of any violation of this act shall upon the conviction for the first offense be fined $25. For the second offense, he shall be fined $100. For the third and subsequent offenses, he shall be fined $200. In addition to fines, the court for the second offense shall suspend his license for 30 days. For the third and any subsequent offense, the person's license shall be revoked for one year.

The state department of agriculture shall enforce the provisions of the egg grading law.

All inspection and license fees resulting from this chapter shall be known as the "egg inspection fund." The money shall be used by the secretary of agriculture to administer and enforce the provisions of this chapter. The secretary may employ assistants and inspectors as needed to administer and enforce the egg grading law.

Who is behind the proposed egg marketing law? This bill is the result of work and conferences among a number of groups which included these:

The Iowa Poultry Improvement Association, Iowa Farm Bureau Federation, Iowa State College, and grocery marketing organizations.

Purpose of the bill is to put Iowa egg marketing on a quality basis and thereby build up the markets for Iowa eggs.

SELLING EGGS directly to the consumer is probably the most profitable method of marketing eggs. You may be able to establish an egg route in a nearby town. Or get customers to come to your farm for the eggs. Give a high-quality egg, and the customers will be back.

With sheep for his FFA project, Morris Parcher, 15, reads everything Wallaces' Farmer and Iowa Homestead reports on the subject of sheep production. In fact, Morris would like more sheep stories.

Helpful ideas on livestock feeding, management and marketing, crop production and general farm operations. That's what Wayne Parcher of Floyd county, Iowa, looks for in Wallaces' Farmer and Iowa Homestead.

When . . .

Wallace-Homestead hits the farm

SOMETHING for everybody! That's what Corn Belt farm families say they find in Wallaces' Farmer and Iowa Homestead.

Pictures on this page show what happens to Iowa's century-old farm publication when it hits the Wayne Parcher farm in Floyd county, Iowa.

Cartoons are read first by Dick Parcher, 10. He likes his humor. (You saw Dick on the cover.)

Recipe from the home department is tried out by Mrs. Parcher. If her family approves the dish, she clips the recipe and files it in her cook book.

Hog raising articles attract Dennis Parcher, 16. He studies 'em—and says they help him a lot. Dennis has an FFA pig project. Photos were made by W. R. Maillard.

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SEARLE Farm Duty LUBRICANTS

Assistant extension director Herb Allen (center) helps Marion E. Rains family, Hardin county, Iowa, plan farm improvements.

Extra extension funds mean . . .

More management help for farmers

YOU'VE been hearing about farm and home development. But just what is it all about?

This year, Iowa has over $189,000 in increased federal funds for the extension service. This money is for increasing farm and home development work.

Mainly, it is just a shift in emphasis of work done by the county extension people. So far, extension workers have mostly handed out technical information about recommended practices—the same information that is available thru farm magazines, radio, bulletins and the like.

Farm and home development is aimed at helping farm folks make business decisions. That is, helping them fit the things they have to work with into the best farm operation.

That doesn't mean that extension people are going to tell you when to sell hogs or build a silo. It is an attempt to tie recommended practices together in a way that best fits your own farm situation.

It might work like this. Suppose Jones is a young farmer who has just bought a farm. And that he comes to the extension director for information on how to build a silo.

Instead of just giving him that information, the farm and home development approach is to help Jones analyze his farm setup to see if he really needs a silo. Maybe Jones needs extra sows or soil conservation practices more than he needs a silo.

The extra money for extension will be used mostly for increasing the extension staff in counties interested in farm and home development. About 90 percent of the money will go for more county help.

"There will be about 35 new positions," says Maurice Soults, assistant director of extension at Iowa State College.

In some cases, a youth assistant or home economist will be hired. In others, an assistant county agent or area specialist to work in a group of counties may be added.

The idea is for the entire county extension staff to cooperate in the farm and home development work. That's rather than having the extra worker to do only that work.

Wayne and Hardin counties got an early start to serve as testing grounds. Reports from the extension staff, farmers and other agencies in Hardin county indicates that the program is going well.

Every county will not be able to get extra help as the result of the new federal funds. So help is being assigned on the basis of interest in the program.

Here's the way many counties have shown their interest.

County program planning committees outlined needs for the county. For example, maybe beginning farmers are short on management ability as well as capital. Big problem for them is to decide how to get added money. And how to put the money they do have to the best use. Or maybe a group of farmers are facing a special problem. Maybe, the general farm income level needs to be raised.

Then it is up to the county extension staff to tackle the problem. A farm operators' school to discuss these management problems might be the first step. Then the extension director could make a personal visit to the farms of interested operators.

With such a start, your county would have a good chance of getting extra extension help as long as funds are available.

Farm and home planning does not require scrapping the present extension setup. Nor does it interfere with the operation of existing county agencies.

It helps make best use of information, products and services available to the farmer. Credit, soil conservation, feed and other factors are combined into an effective unit for more profitable farming and better living.

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NOT CANCER. Yet, if nothing is done, 23 million living Americans are destined to die of cancer . . . 230,000 of them *this year*.

SOME diseases reveal their beginnings by pain or fever or shock. Not cancer. It starts silently, secretly, and too often spreads rapidly.

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MAN'S CRUELEST ENEMY
Strike back—Give
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HINRICHS REMEDY CO. WALCOTT, IOWA

Farm News Briefs

LONG TIME county agent and member of the Iowa highway commission, Frank Kerrigan of Dubuque died at his home Jan. 18. Kerrigan had served 26 years as extension director in Dubuque and had served on the state highway commission five years.

▼ ▼ ▼

REA HAS approved two electrification loans to Iowa cooperatives. The Lyon County Rural Electric Cooperative, of Rock Rapids, Iowa, has been granted a loan of $83,000 to be used for system improvements. The Butler County Rural Electric Cooperative, Allison, Iowa, has received a loan of $385,000 for system improvements and new line to serve 74 new customers.

▼ ▼ ▼

MORE PLANT food but less fertilizer tonnage was used by American farmers in the year ending July 1, 1954, as compared to the previous 12 months. Consumption on a tonnage basis increased 11.5 percent in the West North central region.

▼ ▼ ▼

WILLIAM H. Davidson, Stanwood, Iowa, has been elected chairman of the board of the Farm Credit district of Omaha. Charles R. Kellogg, Valentine, Nebr., was named vice chairman. The Farm Credit district of Omaha serves farmers and stockmen in Iowa, Nebraska, South Dakota and Wyoming.

▼ ▼ ▼

RURAL SCHOOLS of Jackson county, Iowa, won first place for the third straight year in the Rural School Fire Prevention Contest. Boone county rural schools were second with Poweshiek and Wayne tied for third. In earning the first place award, 805 of the 907 students in Jackson county rural schools made farm inspections for fire hazards. They removed 309 potential fire hazards.

▼ ▼ ▼

COMING EVENTS: Iowa Christian Rural Institute, Iowa State College, Feb. 7-8; Iowa Watershed Conference, Des Moines, Feb. 11-12; Iowa Crop Improvement Association Meeting, Iowa State College, Feb. 16; Short Course For Cooperative Directors, Iowa State College, Feb. 21-22; Minnesota State Spring Barrow Show, Albert Lea, Feb. 24-26; National Conference on Rural Health, Milwaukee, Feb. 24-26; National Pasture-Forage-Livestock Conference, Omaha, March 10; Iowa RYP Assembly, Iowa State College, March 18-20.

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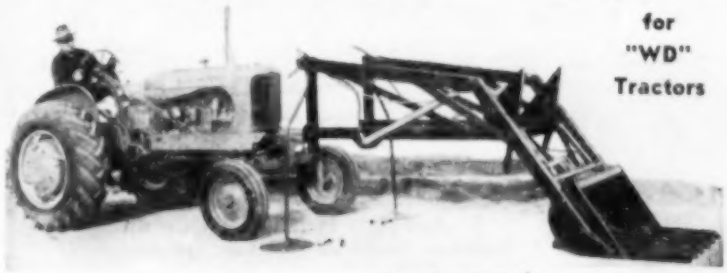

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Emrich Weishaar ASHTON, ILL.

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40TH ANNUAL

Omaha Polled Shorthorn Spring Show & Sale

THURSDAY, FEBRUARY 17TH

In the new stock yards sale pavilion, located under parking area, across from Omaha Livestock Exchange Building

SHOW — 8:30 A. M.

Judge: Harold Thieman
President, American Shorthorn Breeders Assn.

SALE — 12:30 P. M.

94 BULLS — 23 FEMALES

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MERVIN F. AEGERTER, Sale Mgr., SEWARD, NEBRASKA

Auctioneers, J. E. Halsey and C. D. Swaffar — T. W. Sherlock, Fieldman

ANNIVERSARY DINNER: Hotel Home, Tuesday Evening, February 15th, 7:00 P. M. Reunion of all consignors to Omaha past 40 years. All cordially invited.

REMEMBER—E. P. Laughlin Dispersion, Shenandoah, Iowa, February 18th.

40TH ANNUAL

OMAHA SHORTHORN SHOW & SALE

WED., FEB. 16TH
OMAHA, NEBRASKA

Show, 8:30 a.m.—Sale, 12:30 p.m.

Judge: Harold Thieman, President, American Shorthorn Breeders Assn.

77 BULLS 29 FEMALES

PUREBRED BREEDERS . . . select your next herd bull from consignments from the Nation's leading herds.

COMMERCIAL BREEDERS . . . a selected consignment of the type of Range bulls you will want to put on your cow herd.

Most all bulls ready for service and sired by outstanding herd sires. Females that will please for replacement females or to found a good herd. The consignors are 40 leading breeders from 8 states, IOWA, NEBRASKA, KANSAS, MISSOURI, MINNESOTA, INDIANA, COLORADO and TEXAS.

Arthur Bakenhus & Sons . Columbus, Nebr.
Bar L. Polled Shorthorns ... Waller, Texas
Theodore Bergquist ..... Somers, Iowa
Doyle W. Bleder ..... Grand Lake, Colo.
Wm. Boysen ..... Madison, Nebr.
Buss & Loecke ..... Columbus, Nebr.
Homer Clauson ..... Spencer, Iowa
John R. Cummings & Son . Elizabeth, Colo.
Walter Doyle ..... Hastings, Iowa
Chas. Ewald & Son ..... Waldorf, Minn.
Arnold W. Ferguson ..... Laurens, Iowa
B. Hollis Hanson ..... Connersville, Ind.
H. N. Harrison ..... Washta, Iowa
V. J. Heine and Walter Spike, ... Primrose, Nebr.
Harold Houston ..... Dow City, Iowa
Albert Hultine & Sons . Saronville, Nebr.
J. L. Johnson ..... Tekamah, Nebr.
Johnson Bros. ..... Atlantic, Iowa
Karol Kersten ..... Woodbine, Iowa
Lomas Farms ..... Villisca, Iowa
Lorence Lundby ..... Ridgeway, Iowa
McCone Bros. ..... Manilla, Iowa
Harry McCool ..... Shelby, Iowa
Dan and W. G. McCubbin . Elkhorn, Nebr.
Donald L. Obrecht & Son . Harlan, Iowa
H. K. Owens ..... Homestead, Iowa
Carl L. Retzlaff & Sons . Walton, Nebr.
Ernest Retzlaff & Sons . Walton, Nebr.
Carol D. Reynolds ..... Cuba, Kan.
W. O. Schewe ..... Murdock, Nebr.
Alvy Schoenherr . Guthrie Center, Iowa
Otto Schroeder & Son ..... Seward, Nebr.
James Skinner ..... Herman, Nebr.
Robert Skinner ..... Herman, Nebr.
C. B. Steward & Son ..... Panama, Nebr.
E. N. Taylor, Box 393 . Shenandoah, Iowa
Vernon D. Uehling ..... Ankeny, Iowa
Norman Warrick ..... Blair, Nebr.
John V. Weichel ..... Alvo, Nebr.
M. D. Whimple ..... Rt. 3, St. Joseph, Mo.
Marilyn Williams ..... Rt. 1, Council Bluffs, Iowa
Glenn A. Windom ..... Lenox, Iowa
L. H. Zahn ..... Syracuse, Nebr.

All T.B. and Bangs tested, can be shipped anywhere. Ask now for FREE catalog. Kindly mention this publication. Address

MERVIN F. AEGERTER, Sale Mgr., SEWARD, NEBRASKA

Auctioneers, J. E. Halsey and C. D. Swaffar — T. W. Sherlock, Fieldman

ANNIVERSARY DINNER: Hotel Home, Tuesday Evening, February 15th, 7:00 P. M. Reunion of all consignors to Omaha past 40 years. All cordially invited.

POLLED SHORTHORN DISPERSION

JUGGLER'S EMBLEM, the popular 1954 Iowa Reserve Grand Champion. He sells as Lot 1, a son of Coronet Max Juggler 17th.

Comfortable Radio Sales Pavilion

SHENANDOAH, IOWA

Friday, February 18th

Starting at 12:30 P. M.

51 CHOICE FEMALES

11 TOP YOUNG HERD BULLS

The entire herd of E. P. LAUGHLIN, established in 1908, at its peak of performance, all sold without reserve

One of the truly great herds of POLLED SHORTHORNS of the breed. THE BULLS, 4 yearlings and 7 Junior calves, 9 are by CORONET MAX JUGGLER 17th, included is the 1954 Iowa Reserve Grand Champion (illustrated here). Two young bulls and 2 heifer calves are by JUGGLER'S TYPE, 1954 Omaha sale Grand Champion and top selling bull, that went to Tennessee. Genuine Herd Bull prospects.

THE FEMALES: 40 are under 5 years old and every female has been officially vaccinated for BANGS. We feature CORONET MAX JUGGLER 17th, by the International grand champion, Killearn Max Juggler. 40 of his sons and daughters feature this auction. LAUGHLIN Polled Shorthorns topped 1954 Omaha, Nebraska, Spencer, Iowa, and Iowa State sales.

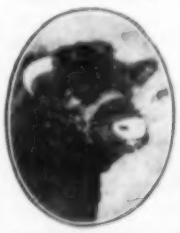
Every animal sells fully guaranteed and this DISPERSION offers one of the season's best opportunities for good sound investments in registered Polled Shorthorns. Plan to attend. Ask for FREE illustrated catalog. Address

MERVIN F. AEGERTER, Sale Mgr., SEWARD, NEBRASKA
E. P. LAUGHLIN, Owner, IMOGENE, IOWA

Auctioneer, J. E. Halsey — Arch Stone, Fieldman

Interstate Shorthorn Breeders

SHOW	SALE
9:30 A. M.	12:30 Noon
Monday, Feb. 14th	Tuesday, Feb. 15th



Judge: John Shuman, Deer Trail, Colorado
(Stock Yards sale pavilion)

SIOUX CITY, IOWA
FEBRUARY 14 and 15, 1955

46 GOOD RUGGED BULLS 26 CHOICE FEMALES

One of the best offerings we have ever presented, by this long-established Association, where top quality Shorthorn cattle have been produced. The bulls, most all ready for service, and sired by leading Herd bulls. They are well-grown, rugged, pleasing type and quality and will make genuine Herd sires. The large number affords a wide selection. The 26 females, include bred cows and heifers and attractive open heifers. You will like them. Consigned by 27 leading breeders from IOWA, NEBRASKA and SOUTH DAKOTA.

C. H. & R. D. Arthur . Spirit Lake, Iowa
Cornelius Wolf ..... Remsen, Iowa
Kenneth Riedemann ..... Hartley, Iowa
Fred Hillman ..... Winfred, South Dakota
C. A. Weaver & Sons ..... Larrabee, Iowa
Gus W. Anderson ..... Hartley, Iowa
Robert Gable ..... Hartley, Iowa
Floyd Fanning ..... Nemaha, Iowa
Eldo R. Egger ..... Martell, Nebraska
Leonard Hadenfeldt ... Sioux Rapids, Iowa
H. N. Harrison ..... Washta, Iowa
F. E. Jackson ..... Hurley, South Dakota
C. R. Fliginger ..... Hurley, South Dakota
R. A. Englehorn ..... Menno, South Dakota
Ruane Reimers ..... Paullina, Iowa
E. W. Dunn & Ervin Griese . Hartley, Iowa
Leroy Bremer ..... Cushing, Iowa
Alvy Schoenherr ... Guthrie Center, Iowa
H. Russell Held ..... Hinton, Iowa
Leonard Adams ..... Hartley, Iowa
R. J. Egger ..... Roca, Nebraska
Dewar Bros. ..... Cherokee, Iowa
G. E. Held ..... Hinton, Iowa
L. D. Johnson & Sons ..... Cushing, Iowa
M. W. Smith ..... Paullina, Iowa
Millard B. McNutt ..... St. Ansgar, Iowa
Robert Sherrard ..... St. Ansgar, Iowa

You can make admirable and profitable selections from this good offering. They come from reliable herds, where cattle with breeding and quality are produced. All T. B. and Bangs tested. Plan to attend the Show, Banquet and Auction. Ask now for **FREE** catalog. Kindly mention this publication. Address

F. E. JACKSON, Secretary, HURLEY, SOUTH DAKOTA

Auctioneers, J. E. Halsey and Harry Dewar — T. W. Shelock, Fieldman

BANQUET and Business Meeting 6:30 P. M., Hotel Mayfair, Monday, Feb. 14
Instructive program, all cordially invited

Livestock News

The **Iowa Polled Hereford Association** show and sale held at Des Moines, Iowa, January 11 and 12 attracted a nice sized crowd. The cattle were shown on the afternoon of the 11th with J. C. Holbert, Bettendorf, Iowa, making the placings.

42 bulls averaged $322
21 females averaged $285
63 lots averaged $309

Top and champion of the bulls was lot 66, WP Mod. Conqueror 14th, shown by Westhaven Place, Denison, Iowa. He was a July two-year-old son of MC V Domino and sold for $900 to O. W. Clark, Pleasantville, Iowa. The reserve champion, lot 47, Redman Trumolde 1st, shown by Corwin Redman, Leighton, Iowa, was an April yearling son of Trumode Domino 7th and sold for $775 to Luther Boesch, Truman, Minn. Krug Brothers, Atkins, Iowa, consigned the third high on lot 37, KB Benton Helmsman 1st. He went to Earp & Capton, Newton, Iowa.

The champion female lot 38 KB Benton Return 2d, was one of the Krug Brothers entries. She sold for $540 to John B. Janssen, Wellsburg, Iowa. The champion bull and the champion female made a great pair of Polled Herefords, and it was quite evident that they were worthy champions.

The reserve champion lot 25, Miss Tip Top, was one of the Frank Hubbard entries. She sold for $370 to J. H. Logan, Batavia, Iowa.

The sale was managed by secretary Leigh Curran, Mason City, Iowa. Auctioneer was Charlie Corkle.

The 10th annual show and sale for the **East Central Iowa Hereford Breeders** held at Davenport, Iowa, Jan. 5 and 6 drew a nice day this year. The 56 bulls averaged $290, 29 females $250, and the 85 lots $276.

The champion bull and top of the sale was lot 26, H&D Larry Lad 409th, consigned by Hillandale Farms, Muscatine, Iowa. He sold for $680 to C. K. Hohenboken, Genesee, Ill. The reserve champion was consigned by C. H. Williams & Son, Charlotte, Iowa, on W True Molder 46th. He sold for $435 to Ralph Essex & Son, Wilton Junction, Iowa.

Lyman E. Meyer, Bellevue, Iowa, showed the champion female on lot 54, Queen Esther. She sold to top the females going for $520 to Wm. Thurwanger, Bettendorf, Iowa. C. H. Williams also had the reserve in the females on lot 95, Molderette 41st. She went at a bargain—$380—to Bea-Mar Farms, Washington Court House, Ohio.

The sale was managed by Roy Wiese, Long Grove, Iowa. Auctioneer was Emerson Marting.

A large crowd of **Hereford** breeders and commercial men from Iowa and Nebraska were on hand, at the Annual Select Hereford sale at Orient, Iowa, Jan. 6. Bidding was rapid, but prices were not high, with the bulk of serviceable age bulls selling at $225 to $300. Averages were as follows:

59 bulls averaged $202
32 females averaged $158
91 lots averaged $176

W. Wayne Sheriff & Son, Orient, Iowa, brought out the top selling bull, Cardinal Lad 57th, an April '53 son of Real WHR Type 4th, selling to Ralph Nichols, Adair, Iowa, at $345. J. W. Smith, Earlham, Iowa, paid $330 for Sir Ruling Star 210th, a son of TH North Star 209th consigned by Schardein and Hunter, Earlham, Iowa.

Top selling female lot was WR Baca Lady 66th, and bull calf by T Zato Tone Lad 175th, consigned by Walter J. Blauer, Afton, Iowa. Junior Dalton, Afton, Iowa, paid $120 for the calf, and Mildred Hockenberry, Alton, Iowa, took the cow at $245. Lady North Star 87th, a May '53 daughter of TH North Star 209th from the Schardein and Hunter consignment brought $275, the bid of P. W. Fleckinger, Greenfield, Iowa.

Col. Freddie Chandler cried the sale, which was managed by Harold Killion and Wayne R. Wilson, Greenfield, Iowa.

An overflow crowd of breeders and commercial men from a three-state area were on hand at the **Adel Hereford** sale at Adel, Iowa, Jan. 8. Altho prices were not high, demand was strong. The top 50 bulls averaged $304, and averages on the offerings were as follows:

81 bulls averaged $257
43 females averaged $198
124 lots averaged $236

Russell Dunnivan, Scranton, Iowa, paid $550 to own the top selling bull, Mountain Topper, an October '52 son of Princeps Letston 29th consigned by Fincham Bros., Ames, Iowa. PER Baca Elation 120th, an April '53 son of TH Revelation 25th consigned by Paul E. Rice, Creston, Iowa, brought $500, the bid of J. H. Sheeder, Guthrie Center, Iowa.

W. F. Hall & Son, Colo, Iowa, brought out the top selling female, Colo Baca Belle 51st, a daughter of MF Baca Anxiety, selling to Maxine Dalton, Atlantic, Iowa, at $300. Robert F. Geise, Minden, Iowa, paid $290 for Sac Rose 1st, a 1950 daughter of Prince Domino 5th, consigned by Elmer Meyer, Sac City, Iowa.

Cols. Keith Goode and Jim Morris cried the sale, which was managed by Albert DeWitt, Peru, Iowa.

OPPORTUNITY OF THE YEAR

ROYALLY-BRED HEREFORDS

"THE BREED SUPREME . . . IDEAL FOR CORN-BELT FARMERS"

In comfortable pavilion, State Fair Grounds

Des Moines, Iowa, Friday, February 25th

80 HEAD 20 HERD BULL PROSPECTS 60 FOUNDATION FEMALES

MF STARMAN M. 243d by TH North Star 153rd. Note ideal type, depth and character.

MF BACA BARON 21st, son of Baca Baron 17th. A choice, smooth, even-fleshed bull.

MF BARON 18th by Baca Baron 17th, a bull of desirable type, rugged, with heavy bone.

One of the finest Hereford Herds in the state, established by careful selection of top females from the leading herds, rich in pedigree, modern type, with merit and quality, which have been mated with outstanding Herd Sires.

MF BACA BARON 25th, son of Baca Baron 17th. He is deep, thick and smooth.

MF ROYAL ASTER by Baca Baron 17th, with straight lines, low-set and rugged.

MF MISS B. 260th, daughter of Baca Baron 17th, excellent type for real brood cow.

For this sale they present a class of cattle which is a credit to them as constructive breeders of better HEREFORD cattle. The 20 bulls, all ready for service . . . have been selected with great care and only herd bull prospects have been cataloged. They are sons of TH NORTH STAR 153rd, a son of WHR Ruling Star 43rd; BACA BARON 17th by SF Royal Mixer and INTENSE DOMINO 2d by MW Domino 32d. Bulls, well-grown, with scale, great heads, low-set, thick-fleshed, smooth and real quality. The sort for genuine herd bulls.

THE FEMALES—Truly a grand offering, 3 choice cows with big lusty calves at foot by R. S. PRINCEPS MIXER 10th. 35 beautiful young cows and heifers, mated to RS PRINCEPS MIXER 10th and PHR SUPER DONALD 18th. 17 most attractive open heifers, ideal age to mate to your own great Herd Bulls. They are daughters of TH NORTH STAR 153rd, BACA BARON 17th and INTENSE DOMINO 2d. 5 outstanding Junior Heifers, suitable for the 4-H and F.F.A. members. The excellent cattle (illustrated here) merely indicate the superb quality of this great offering. The event should strongly appeal to our best cattlemen . . . it is one of the important events in Hereford circles this year. You can make admirable and profitable selections . . . cattle of ideal type . . . rich in most popular blood lines, the best MONEY-MAKING kind. All T.B. and BANGS tested, to go anywhere. Plan to COME! Ask now for beautiful illustrated catalog, sent only on request. Kindly mention this publication. Address

Meredith Farms, C. W. HOWE, Manager 4601 Beaver Ave. **Des Moines, Iowa**

Auctioneers, Howard Schnell and Emerson Marting — J. E. Halsey and Arch Stone, Fieldmen

MF MISS B. 229th, daughter of Baca Baron 17th, with extreme depth and ideal type.

MF INTENSE LASSIE M. 231st by MF Intense Lad 62nd. Pleasing style and character for brood cow.

MF MISS B. 263rd, daughter of Baca Baron 17th, low-set, smooth, thick and modern type.

Noller & Morrison Complete Hereford

DISPERSION SALE

Tues., Feb. 15

Sale at 12:00 Noon, at the farm on gravel road, 1 mile west and 1 mile south of

SIGOURNEY, IOWA

66 HEAD

11 Bulls — 55 Females

32 Head of Bred Cows sired by Martial Star 22d, Tama Domino, Tama Heritage 19th, CA Prince Wilton, WHR Monarch, S Royal Triumph 2d, and WHR Royal Duke 156th. Our herd has been culled many times, and only these top producing cows have remained. Nearly all are by WHR bred bulls, and most of them are by WHR bred dams.
3 Bred Two-year-old Heifers. 5 Open Heifers.
15 Heifer Calves calved in spring and fall of 1954.
1 Yearling Bull.
9 Bull Calves calved in spring and fall of 1954.
All of these are sired by:

S ROYAL TRIUMPH 2d

A top son of WHR Royal Duke 9th

This Outstanding Herd Sire and His Service Will Be Featured:

WHR ROYAL DUKE 156th—Calved June 11, 1948

WHR Royal Triumph 2876603....
- **WHR T. Dom. 6th 2462643**
- **Lillian Domino 2474229**

WHR Vega Domino 57th 2591209.
- **Star Domino 6th 2035995**
- **WHR Nina Domino 1871967**

An outstanding sire, deep, short legged, and heavy boned, and sire of the champion and top selling bull at the 1954 Southeast Iowa Hereford Sale. All of the bred cows and heifers carry his service.

A COMPLETE LINE OF FARM MACHINERY, INCLUDING 2 INTERNATIONAL TRACTORS (AN M AND C), 100 HEAD OF SHOATS, AND 20 BROOD SOWS WITH PIGS, will sell the morning of the sale, February 15th. Send now for your **FREE** catalog. Please mention this publication. Address

NOLLER & MORRISON, SIGOURNEY, IOWA

Auctioneer, Emerson Marting — Arch Stone, Fieldman

YOUR MONEY'S WORTH . . . ALWAYS!
at HAWKEYE POLLED HEREFORD SALES!

THIRD ANNUAL POLLED HEREFORD ASSN.

SHOW AND SALE

CEDAR RAPIDS, IOWA, FEB. 21-22, 1955

HAWKEYE DOWNS FAIR GROUNDS, IN HEATED PAVILION

49 POLLED BULLS Up-to-the-minute beef-type bulls to improve purebred herds or add to the value of every calf they sire in commercial herds. Two tried sires, three head two years old, past, 43 head 15 to 23 months old. Age enough to go right to work, young enough to be money-makers for years to come. Not highly fitted but enough flesh to prove their beef-making abilities. Pedigrees full of widely known cattle. Buying at private treaty you'll drive many miles to see 49 bulls and the seller will fix the price. Come here and make your own price.

29 POLLED FEMALES Nearly all have been bred long enough to be assuredly in calf. One sells with calf at side. All open heifers are old enough to be bred as soon as you may desire. Here are quality and type to strengthen established herds or to use as foundation stock if you are just starting. Pedigrees trace to widely known, profit-making ancestry.

Show of Sale Cattle, Monday, 1:00 P. M.
Ray Schnell, Dickinson, N. D., Judge

Dinner and Association Meeting open to all
Monday, 7:00 P. M., Montrose Hotel

Sale, Tuesday, 12:00 Noon, on the minute!
Cols. Emerson Marting and Tom Sherlock, Auctioneers

Warm meals, in a warm room, on the grounds, each day

Consignments from 37 herds in 4 states

Stanley Allen	Olin, Iowa
Walter Buck	Maquoketa, Iowa
D. H. Christiansen	Conesville, Iowa
Calvin Cruzen	New Sharon, Iowa
Ernest Day & Sons	Grimes, Iowa
Orin Johnson	Harcourt, Iowa
Harvey Krug	Atkins, Iowa
Melvin Krug	Atkins, Iowa
Lester Larson	Mabel, Minn.
Louis J. Marzen	Marble Rock, Iowa
Alvin Meyer	Lone Tree, Iowa
Myron Minish	Dysart, Iowa
Redman Farm	Leighton, Iowa
John G. Schulte	Norway, Iowa
Howard Soerholtz	Melbourne, Iowa
Guy Steere	Hepburn, Iowa
Roy Van Heukelom	New Sharon, Iowa
Westhaven Place	Denison, Iowa
Wilbert Witte	Hampton, Iowa
Curtis Anderson	Gowrie, Iowa
John W. Campbell	Tiffin, Iowa
Crawford Farm	Winfield, Iowa
Mr. & Mrs. Geo. D. Davis	Cedar Rapids, Iowa
Frank (Pat) Hubbard	Clinton, Iowa
Delbert Krug	Atkins, Iowa
Irvin Krug	Atkins, Iowa
Kenneth Kuhlmann	North Platte, Nebr.
Mason Leonard	Waukee, Iowa
Wm. McArthur	Mason City, Iowa
Emil Meyer	Lone Tree, Iowa
Nielsen Hereford Ranch	Birchwood, Wis.
Bernard Schulte & Sons	Norway, Iowa
H. N. P. Small	Letts, Iowa
M. C. Starry	Olin, Iowa
J. A. Stovall	New Sharon, Iowa
Wm. Van Heukelom	Leighton, Iowa
Frank Whitham	New London, Iowa

Free catalog, on request only. Please mention this paper

HAWKEYE POLLED HEREFORD ASSOCIATION

B. O. Gammon, Secretary, 1518 East Ninth Street, Des Moines 16, Iowa
Arch Stone, Fieldman

Let Naturally HORNLESS heads add Value to Your Herefords!

Last Call

IOWA HEREFORD CATTLE

Breeders' Association Show and Sale

SHOW: 10:00 A. M. Monday, Feb. 7th—SALE: 12:00 Noon, Feb. 8th
JUDGE: EVERETT E. BROWN, VALENTINE, NEBR.

SIOUX CITY, IOWA, TUESDAY, FEB. 8th

74 BULLS — 16 FEMALES

Choice bulls, well-grown, most all ready for service, including a few long-aged bulls and tried and proven sires. Consigned by leading Breeders in this area. The large number affords a wide selection. Bulls for **FARMER, BREEDER, RANCHMAN** and Commercial cattlemen. A most desirable lot of richly-bred females. Plan now to attend. Ask for **FREE** catalog.

GLEN E. BUSH, Secy., LAKE PARK, IOWA

T. W. Sherlock, Fieldman

BANQUET: Feb. 7th, 6:30 P. M., Mayfair Hotel, Sioux City

—POLLED HEREFORDS—

Hawkeye Downs

CEDAR RAPIDS, IOWA, FEBRUARY 21-22

LETTS-VIEW SUPREME 4th sells. A herd bull prospect.

A top April 2-year-old (illustrated here), rugged with rare bone, smooth head, excellent type and real quality, by **L. V. ADVANCE SUPREME** (illustrated on cover of 1954 sale catalog). He was the sire of the 3 wonderful bulls we sold in last year's sale. His Dam, **L. V. SUPREME LADY 3rd**, the dam of last year's champion bull. She is daughter of Supreme Anxiety 39th, Champion at West Liberty District Fair as yearling. You will like him. Genuine herd sire

LETTS-VIEW POLLED HEREFORDS

H. N. P. SMALL & SON, LETTS, IOWA

FOUR OUTSTANDING BULLS OFFERED IN IOWA HEREFORD SALE

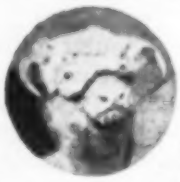
Sioux City, Iowa, February 7-8

GOLDEN ASTER

Two choice 2-year-olds and two excellent yearling bulls, with wonderful heads, rugged, heavy-boned, well-balanced, thick-fleshed, ideal type and real quality. Plenty of weight for age. All grandsons of **GOLDEN ASTER** (illustrated here). The same breeding that made the $735 average in the E. O. Johnson & Sons December sale. **COME!** See them and you will buy. Genuine herd-bull prospects.

MELVIN JENSEN, EVERLY, IOWA

12TH ANNUAL MISSOURI STATE HEREFORD BREEDERS QUALITY SALE



Livestock Pavilion

COLUMBIA, MISSOURI

MONDAY, FEBRUARY 14th

SHOW — 8:00 A. M. **SALE — 12:00 Noon**

POPULAR PEDIGREES

Zato Heir — WHR — Baron Domino — Larry Domino — Super Anxiety — Blanchard — Prince Domino — Return — Mischief — Lamplighter — and others.

50 BULLS

Practically all of breeding age. "You'll find your next herd bull here."

30 FEMALES

Bred and Open Heifers — Top Heifer Calves. "The Herd Replacement Kind."

Send now for your **FREE** catalog. Please mention this publication. Address

VERNON WINKLER, Sale Mgr., MEMPHIS, MISSOURI

BUSH AND SON

Lake Park, Iowa

Selling some of our champions and other brothers and sisters in the Iowa Hereford Cattle Breeders Show and Sale Feb. 7-8—Sioux City, Iowa.

5 HEAD— 2 BULLS— 3 FEMALES—

Also have a good group of young bulls and some females for private sale at the farm.

GLEN E. BUSH — ***Visit our farm anytime*** — **ELMO BUSH**

LIVESTOCK AUCTION

Sale at farm, 4 miles south, 2 miles east and ½ mile south of Algona, Iowa, or ½ mile east and ½ mile south of

IRVINGTON, IOWA, TUESDAY, FEBRUARY 15

96 HEAD OF LIVESTOCK—REGISTERED AYRSHIRE DISPERSAL
25 HEAD of Ayrshire, calfhood vaccinated and T.B. tested.
70 HAMPSHIRE FALL PIGS, Serum Virus Vaccinated.
1 PALOMINO RIDING HORSE!

TERMS: Cash. Nothing to be removed until settled for. Not responsible in case of accident.

HERBERT J. WALLACE, Owner, IRVINGTON, IOWA

Auctioneers, Lee Colwell and Lloyd Berkland. — Clerk, Lone Rock Bank

---

ANGUS BULL SALE FEB. 22, 1955

(Angus sale pavilion midway between Peoria and Bloomington on Rt. 150)

75 Select Bulls—Ready for Service

From our reliable 200 members of this long-established Association. Excellent type, popular blood lines. COME! Ask now for FREE Catalog. Kindly mention this publication. Address

FORREST W. LEMONS, Secy.-Mgr., CONGERVILLE, ILLINOIS
CENTRAL ILLINOIS ANGUS BREEDERS ASS'N

—When writing to our advertisers, please mention this paper—

Livestock News

The 15th annual **Tri-State Shorthorn** sale held at Sibley, Iowa, Jan. 11 attracted a crowd from Iowa, Minnesota, Nebraska and South Dakota.

32 bulls averaged $351
18 females averaged $240
50 head averaged $311

The top and champion bull was lot 23, Rothes Master, shown by Melvin Camery, Worthington, Minnesota, and sold for $800 to Ray Mitchell, Charles City, Iowa. The reserve champion, lot six, MV Royal Leader 9th, was entered by Ralph Hellinga, Harris, Iowa. Buyers were Jay & Gerald Munns, Rock Rapids, Iowa.

The top of the females was lot 37, Mayflower B, consigned by Held Bros., Hinton, Iowa. She sold for $340 to Leonard Hadenfeld, Sioux Rapids, Iowa. The champion female, lot 35, Duchess of Gloster 7th, was one of the Irving Hansen, Walnut Grove, Minn., entries. She sold for second top to C. H. & R. D. Arthur, Spirit Lake, Iowa. The reserve champion went to Bernard Soleberg, Cylinder, Iowa, for $300. She was lot 43, Red Julia, shown by Kenneth Riedemann, Hartley, Iowa.

Iowa buyers took 34 head, Minnesota 16 and Nebraska one. The judge was Norman Findahl, Waterville, Minn. Albert Hamann managed the sale, and J. E. Halsey was the auctioneer.

The **Southwest Minnesota Hereford Breeders'** show and sale at Worthington Jan. 8 attracted an exceptionally large crowd from Iowa, South Dakota and Minnesota.

39 bulls averaged $385
26 females averaged $266
65 head averaged $338

The champion bull was lot 57, Donald Domino, consigned by Mecklenburg Bros., Marshall, Minn. He sold for $600 to Louis Sutherland, Balton, Minn. The reserve champion topped the sale at $750. He was lot four, BB Cruiser Domino 6th, entered by Buer Bros., Atwater, Minn. He went to John Schmidt & Sons, Pipestone, Minn.

The champion and reserve champion females both sold for $400. Buer Bros. showed the champion lot eight, BB Miss Cruiser 2d. Buyer was H. J. Hoffman, Hastings, Minn. The reserve champion was lot 53, LH Miss Blacky 60th. Her buyer was Robert Griffith, Dolliver, Iowa.

The cattle sold to Minnesota and Iowa buyers. The sale was managed by Elvin Thue, secy., Worthington, Minn. Auctioneer was Fred Chandler.

The attractive offering of John Dittmer & Sons, Lacona, Iowa, was well received in their fifth production sale of horned and polled **Herefords** at Knoxville, Iowa, Jan. 10. Averages were as follows:

47 bulls averaged $232
29 females averaged $156
76 lots averaged $203

Lawrence Devorsky, Solon, Iowa, paid $525 for JD Prince Stanway 8th, an outstanding proven six-year-old son of Mischief Stanway 254th. MW Prince Larry 20th, a July '52 son of MW Prince Larry 49th, brought $435 from Maxwell Cattle Co., Sioux City, Iowa.

Two daughters of JD Prince Stanway 8th were top selling females. Maurice B. Furlong, Letts, Iowa, paid $250 for Flossy Domino S 306th, and Robert Dittmer, Lacona, Iowa, took five D & S Pansy M 421st at $230.

Cols. Keith Goode and Jim Morris cried the sale.

The **Iowa Hampshire Breeders** show and sale at Ankeny, Iowa, Jan. 20 drew a very good attendance. The awards were made in a most capable manner by R. L. Pemberton. The champion was lot four shown by Einfeldt & Hogan, Durant, Iowa, and sold for $750 to Paul L. Benshoof, Webster City. Reserve champion was lot 39 shown by Matt Locatis & Sons, Fort Dodge, Iowa, and brought $250, the bid of Paul L. Benshoof. The second top gilt was lot three, shown by Fred H. Michaelson, Ida Grove, Iowa, and went at $425 to Paul L. Benshoof. Emery Riemenschneider, secretary, and Dale McGraw, president, worked hard to make the event a success. The 36 bred gilts averaged $190.

Orville Allen, Gravity, Iowa, paid $485 to own the top selling bull in the **Creston Hereford Breeders** sale at Creston, Iowa, Jan. 20. He was WK Reliance 13th, a September '52 proven son of HCR Reliance 12th consigned by Woods and Reed, Orient, Iowa. Averages on the sale were as follows:

26 bulls averaged $278
26 females averaged $197
52 lots averaged $237

Two bulls brought $475 each. Cardinal Lad 62d, a son of Real WHR Type 4th consigned by W. Wayne Sheriff & Son, Orient, Iowa, brought $475, and Bill Cihan, Creston, Iowa, paid the same price for an extra lot bull consigned by Robert Linn, Stuart, Iowa.

Marcene Blauer, Afton, Iowa, brought out the top selling female, Zato Aftone Model, a January '50 daughter of H&D Tone Lad 202d, selling to Junior Dalton, Afton, Iowa, at $320. Calvin Willett, Thayer, Iowa, paid $300 to own MB Miss Mold 8th consigned by P. E. Kelley, Creston, Iowa.

Col. Freddie Chandler cried the sale, which was managed by Lloyd Woods, Orient, Iowa.

JAMES D. FRANCE DISPERSION

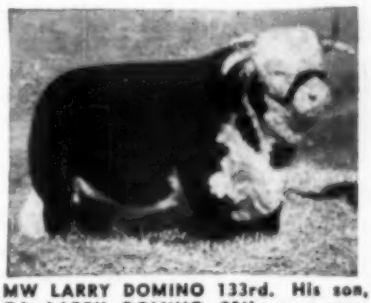
HEREFORD DISPERSION

Comfortable Heated Sale Pavilion, All-Iowa Fair Grounds, Hawkeye Downs

Cedar Rapids, Iowa, Thursday, February 17th

150 HEAD

2 HERD BULLS — 11 HERD BULL PROSPECTS
85 RICHLY-BRED FEMALES — 50 COWS AND CALVES



MW LARRY DOMINO 133rd. His son, CA LARRY DOMINO 20th, was purchased in the 1951 Circle A. sale. He sells. A wonderful sire. His progeny and service offered in his sale.

CA ROYAL DOMINO T. 2nd, chief herd bull, top of 1948 Circle A. sale. A son of OJR Royal Domino 62nd. A tried and proven bull, with rare breed character, his calves will please. He sells.

WHR BLOCKY HELMSMAN (selling at $18,000), top bull in WHR 1944 sale, a son of WHR Proud Princeps 9th. His Get and Service offered.

A complete Dispersion of this well-known herd, where high-class cattle are produced. Offering rich in WHR and CIRCLE A. breeding. All cattle sold in good thrifty breeding condition.

The 85 grand females include 50 brood cows with big lusty calves at foot, most all are rebred to herd sires. Many calves large enough to be sold separate . . . ideal for 4-H and F.F.A. members. Eighteen beautiful 2-year-old heifers mated to CA LARRY 18th by CA Blocky 4th —a few most attractive open heifers.

2 HERD BULLS — 11 YOUNG BULLS

CA ROYAL DOMINO T. 2d (illustrated here), by OJR Royal Domino 62nd. A herd bull with breed character and conformation that will please. He was top bull in 1948 Circle A. Spring Sale. Many of his calves sell in this Dispersion. A tried bull for someone. CA LARRY DOMINO 20th, son of the famous Circle A. *Register of Merit* sire, MW Larry Domino 133rd (illustrated here). He was one of the top bulls in the Circle A. 1951 Sale. He sells with many of his progeny and females carry his service. You will like this excellent tried sire. The progeny and service of WHR BLOCKY HELMSMAN (illustrated here), the top bull in 1944 WHR sale, a son of WHR Proud Princeps 9th—11 most promising young herd bull prospects.

A Dispersion always offers Bargains; this will be no exception. A grand lot of calves, out of beautiful brood cows. A fine group of two-year-old bred heifers. All rich in best blood lines, proper type for breed improvement. COME! Ask now for FREE illustrated catalog. Kindly mention this publication. Address

FULKERSON SALES SERVICE, Liberty, Missouri

JAMES D. FRANCE, Owner, TIPTON, IOWA
Auctioneers, Jewett Fulkerson and Tom Sherlock

JERSEY DISPERSAL

Sale at farm, 3 miles northwest of Quincy
MENDON, ILLINOIS
TUESDAY, FEBRUARY 15th
Starting at 12:30 P. M.

45 HEAD—Complete Dispersal of VERNON E. O'BRIEN herd from Mendon of BASILEUS, ADVANCER, JESTER and DESIGN breeding. Over 10 years of H.I.R. Testing. One of the best herds in Illinois. Calfhood vaccinated, T.B. and Bangs tested.

18 HEAD—From ESTELBROOK FARM herd, Palmyra, Mo., including 2 tons of Gold Cows, of BASILEUS, ADVANCER, SPARKLING and DESIGN breeding. A choice group.

Plan Now on Attending This Choice Sale
Ask now for FREE catalog. Write

IVAN N. GATES, Sale Mgr., West Liberty, Ia.

Highland Stock Farms
Angus Cattle

See Exhibit at
SIOUX FALLS
FEB. 5, 1955

A top daughter of MODEL PRINCE ERIC and choice BLACKCAP Bull ready for service.

For Sale at Farm Privately

Excellent heifers, rich in breeding and wonderful type by PRINCE OF RED GATE 46th, half brother RED GATE 45th, Champion Eastern National. Also good heifers by MODEL PRINCE ERIC. See them before you buy.

CAMPBELL BROS., UTICA, MINN.

Polled Shorthorns

MR. FARMER, you can afford a good Polled Shorthorn Bull. HE will dehorn your calves. HE will add weight at any age to your calves. HE will put money in your pocket. See the 1955 models shown and sold at

SPENCER, IOWA, MARCH 1st
and
AMES, IOWA, MARCH 29th

Ask for FREE catalog and mention this publication.

WAYNE A. CARR, Sec.-Sales Mgr.
CINCINNATI, IOWA

Iowa Polled Shorthorn Club

JERSEY DISPERSAL

Dairy Cattle Exchange
SPENCER, IOWA
SATURDAY, FEBRUARY 19th
THE HERD OF
WARD DEAN, LINN GROVE, IOWA

45 HEAD—Of DESIGN RIGHT ROYAL, JESTER and MASTERMAN breeding. Choice Young Cows, Bred and Open Heifers, several 4-H Club Heifer Calves. Herd sire from Knolle Jersey Farm in Texas also sells. Calfhood vaccinated, T.B. and Bangs tested. Surge milking machine and electric water heater also sells. Farm sale on Thursday, February 17th at farm, ½ mile north and ½ mile west of Linn Creek. Ask now for FREE catalog. Write

IVAN N. GATES, Sale Mgr., West Liberty, Ia.
Auctioneer, Joe Reisch

"Make Your Plans Early" — Attend the
DES MOINES RIVER VALLEY BREEDERS

ANGUS SALE

In Boone Sale Pavilion on Highway No. 30
BOONE, IOWA
THURSDAY, MARCH 3d
SELLING 122 HEAD
30 BULLS — 92 FEMALES

The bulls are all ready for light or heavy service, and the females include cows and calves, and bred and open heifers. The blood of some of the state's top herd sires, and many popular families will sell. Send now for your FREE catalog, and watch the next issue of this publication for complete details of the offering. Address

W. C. ROBERTSON, Sale Mgr., BAYARD, IOWA

EIGHTIETH MARSHALL COUNTY

SHORTHORN BREEDERS SALE

Marshalltown Sale Pavilion, South 18th Avenue

SHOW—9:30 A. M. SALE—1:00 P. M.

Judge: L. F. Doak

MARSHALLTOWN, IOWA

MONDAY, FEBRUARY 21st

34 Rugged Bulls — 24 Well-Bred Females

This is one of the best offerings ever presented by this long-established Association. A large portion are sired by Imported bulls and others by top sons of Imported bulls, hence rich breeding. All well conditioned. Most of the bulls are ready for service, many will weigh 1,200 lbs. You can find a herd bull here. The 24 females include 8 cows with heifer calves at foot, a few are large enough to sell separate. A fed bred and open heifers and 12 heifers ideal for 4-H and F.F.A. projects. They will please good cattlemen. The consignors are:

Geo. H. Lewis.....Marshalltown
Paul Aldinger.....Ackley
Harry Davis.....Arlington
R. L. Flamme.....Gladbrook
Fennern Bros.....Garrison
A. H. Fennern.....Garrison
John R. Fleming.....Gladbrook
Arthur Knudson.....Gilman
Homer A. Long.....Grundy Center
M. W. Stover.....Marshalltown
Darwin W. Lynch.....Gladbrook
Gilbert Pfiffer.....Indianola
Otis Rothlisberger.....Elgin
Austin F. Schultz.....Cedar Falls
J. E. Smith.....Richland
H. E. Whitford.....Volga
E. L. Williams.....Marshalltown

This is one of the large Shorthorn sales in Iowa this spring. The large number affords a wide selection. For many years cattlemen and farmers have found this auction the source of supply. You can secure a good bull or females in this event. All T.B. and Bangs tested. Plan now to attend. Ask for FREE catalog. Kindly mention this publication. Address

GEO. H. LEWIS, Sale Mgr., Route 1, MARSHALLTOWN, IOWA

Auctioneer, Clair Mason — J. E. Halsey, Fieldman

BEVITA STOCK FARM

W. P. Lorenzen, Owner, Pilot Mound, Iowa

SHORTHORN PRODUCTION SALE

Boone Sales Co. Pavilion located on U. S. Highway 30 at

BOONE, IOWA

WEDNESDAY, FEBRUARY 23rd

Starting at 1:00 P. M.

57 LOTS — 13 BULLS, 44 FEMALES

Featuring the present two Bevita Stock Farm Herd Sires

KELBURN SATISFACTION—A $2,300 son of the noted Mount Banker.

WIN MOR RESEARCH VICTOR—By Glassingall Research, 3 times International winner.

13 BULLS from 12 to 22 months old. Rugged, growthy and good colored. All sired by **Kelburn Satisfaction.**

4 COWS WITH CALVES AT FOOT. 2 by **Klaymor Governor,** 1 by CNE Champion, **Sandeen Captivator,** and 1 by **Scotsdale Ballast.** Calves by **Kelburn Satisfaction** and **Win Mor Research Victor.**

20 TWO-YEAR-OLD BRED HEIFERS. 11 by **Kelburn Satisfaction** and 9 by **Claymore Goldstick.** Nearly all bred to **Win Mor Research VICTOR.**

20 OPEN HEIFERS. All calved in 1954. 16 are sired by **Win Mor Research Victor** and 4 by **Kelburn Satisfaction.** The heifers are very choice and would make ideal prospects for **4-H** and **F.F.A.** projects.

W. P. LORENZEN has maintained a large practical herd of registered Shorthorns for nearly 40 years. In that time only top bulls have been used, and only females with rich pedigrees and of proven productivity have been retained. Here is an offering of uniform, well-bred beef cattle that are bred alike, raised alike, and look alike. **"Two entire crops of heifers with none out are being offered."** Where else can you buy a foundation in numbers like this that will produce uniform offspring. **Everything T.B. and Bangs tested.** Ask now for **FREE** catalog. Kindly mention this publication. Address

ALBERT J. HAMANN, Sale Mgr., ROCK RAPIDS, IA.

Auctioneer, J. E. Halsey — T. W. Sherlock, Fieldman

Coming Livestock Sales

ANGUS

Feb. 7—Penney & James, Hamilton, Mo.
Feb. 8—Pagemere Angus Farms, Clarinda, Iowa.
Feb. 16—Angus Breeders Consignment sale, Corning, Iowa. Harold Killion, Mgr., Greenfield, Iowa.
Feb. 22—Central Illinois Breeders, Congerville, Ill. Forrest W. Lemons, Secy.
Feb. 26—Lyman Kemmis & Sons, Prophetstown, Ill., Horace Dibenbeck & Sons, Geneseo, Ill., and Bert Althaus & Son, Mendota, Ill. Sale at Princeton, Ill.
Feb. 28—Interstate Angus show and sale, Sioux City, Iowa. Dwight Tabke, Secy., Moville, Iowa.
Feb. 28—North Central Missouri Breeders, Chillicothe, Mo. Lewis Anderson, Secy.
Mar. 2—Davis County Angus Breeders, Bloomfield, Iowa. Phillip Fuller, Secy., Milton, Iowa.
Mar. 3—Des Moines River Valley Breeders, Boone, Iowa. W. C. Robertson, Mgr., Bayard, Iowa.
Mar. 4—Corn Belt Angus Breeders Assn., Forrest, Ill. H. R. Stuckey, Secy., Piper City, Ill.
Mar. 9—Eastern Iowa Angus Breeders, Maquoketa, Iowa. Waldo Monnen, Secy., R.2, Clinton, Iowa.
Mar. 9—Charlton Valley Breeders, Kirksville, Mo. Grover Moritz, Secy.
Mar. 10—Northeast Missouri Breeders, Memphis, Mo. Paul Van Meter, Secy., Queen City, Mo.
Mar. 12—B. A. Dye, Wyanet, Ill., sale at Princeton, Ill. J. B. McCorkle, Sale Mgr., Smithville, Mo.
Mar. 14—Sullivan County Breeders Assn., Milan, Mo. James Brown, Jr., Secy., Newtown, Mo.
Mar. 18—Grand River Angus Breeders, Princeton, Mo. Marion Summers, Secy.
Mar. 16—Bureau County Breeders, Princeton, Ill. Lhyle Elten, Secy., Ladd, Ill.
Mar. 19—Mercer County Breeders, Aledo, Ill. Hugh McWhorter, Secy.
Mar. 21—Ames Aberdeen-Angus Breeders Assn., Ames, Iowa. Howard E. Ames, Secy.
Mar. 23—Fisher & Boles Bros., Milford, Iowa (Dispersion). Sale at Spencer, Iowa.
Mar. 25—Goose Creek Farms, 9th Production sale, Muscatine, Iowa. Sale at Columbus Jct., Iowa. Forrest M. Larmer, Mgr., Muscatine, Iowa.
Mar. 26—Wilton Farms, Otto & Dick Nobis, Davenport, Iowa.
Mar. 28—F. M. Bradley & Sons, (Dissolution) Avon, Ill.
Mar. 28—Marion County Angus, Knoxville, Iowa. Duane Bingaman, Mgr., Columbia, Iowa. Avon, Ill.
Mar. 29—Northeast Iowa Breeders, Cedar Falls, Iowa. Bob Robinson, Mgr., Masonville, Iowa.
Mar. 31—Cornelius Thines (Dispersion), Maquoketa, Iowa. Oliver A. Hansen, Sale Mgr., Durant, Iowa.
Apr. 1—West Grand Aberdeen-Angus Association sale, Gallatin, Mo. Orville E. Alden, Pres., Kidder, Mo.
Apr. 3—David & Maargaret Miller, Sun-Up Farms, Smithville, Mo. Donald J. Bowman, Sale Mgr., Hamilton, Mo.
Apr. 11—Red Oak Farms, Rocky Comfort, Mo.
Apr. 19—Clark Angus Farm, Rea, Mo. Sale at Maryville, Mo.
Apr. 19—Poweshiek County Angus Breeders sale, Grinnell, Iowa. Burdett Farley, Secy., Malcom, Iowa.
Apr. 20—South Central Iowa Breeders show and sale, Oskaloosa, Iowa. Clyde A. Hanna, Secy.
Apr. 23—Southeast Iowa Angus Assn., Mt. Pleasant, Iowa. Kenneth Redfern, Secy., Yarmouth, Iowa.
Apr. 25—Iowa Southern Breeders, Leon, Iowa. Lyle Miller, Secy., Osceola, Iowa.
May 7—Kentridge, Mr. and Mrs. G. A. Kent, owners, Muscatine, Iowa.
May 23—Tallcorn Breeders Assn., Marshalltown, Iowa. C. G. Mason, Secy.
May 25—Hawkeye Angus Breeders sale, Cedar Rapids, Iowa. Albert Stuart, Secy., Newhall, Iowa.

COMMERCIAL CATTLE

Feb. 7—Park Bingley (Commercial Cows), Knoxville, Iowa.

HEREFORDS

Feb. 8—Iowa Hereford Breeders Assn. show and sale, Sioux City, Iowa. Glen E. Bush, Secy., Lake Park, Iowa.
Feb. 9—Reed & Haden, Orient, Iowa. T. M. Hayden, Mgr., R. 7, Creston, Iowa.
Feb. 14—Missouri State Breeders Assn. show and sale, Columbia, Mo. Vernon Winkler, Sale Mgr., Memphis, Mo.
Feb. 15—Neller & Morrison (Dispersion), Sigourney, Iowa.
Feb. 17—J. D. France, Tipton, Iowa, (Dispersion), Sale at Cedar Rapids, Iowa. Fulkerson Sale Service Mgr., Liberty, Mo.
Feb. 24—Thompson Hereford Farm, Chillicothe, Mo.
Feb. 25—Meredith Farms, Des Moines, Iowa.
Feb. 26—Round Up Hereford sale, Kansas City, Mo.
Mar. 7—Bluegrass Hereford Assn. Spring sale, Bloomfield, Iowa. James Burns, Secy., Pulaski, Iowa.
Mar. 9—Southeast Iowa Hereford Breeders, Mt. Pleasant, Iowa. N. K. Hartley, Secy., Hillsboro, Iowa.
Mar. 11-12—Western Illinois Breeders Assn. show and sale, Macomb, Ill. Robert Allen, Secy., Warsaw, Iowa.
Mar. 12—Adel sale, Adel, Iowa. Albert DeWitt, Mgr., Perry, Iowa.
Mar. 15—J. M. McElreer & Son, Red Oak, Iowa.
Mar. 16—Marion County Hereford Association, Knoxville, Iowa. Walter L. Brown, Sale Mgr.
Mar. 21—Northwest Missouri Breeders, Maryville, Mo.
Mar. 23—North Central Missouri Assn., Chillicothe, Mr. Mrs. Lora Ashlock, Secy.
Mar. 25—Illinois Hereford Assn., Princeton, Ill. K. Glenn Ash, Secy., Harrisburg, Ill.
Mar. 30—Blue Grass Breeders Assn., Princeton, Mo. B. N. Taylor, Secy., Newtown, Mo.
Apr. 9—Grant County Breeders Assn., Lancaster, Wis. Clive Brown, Secy.
Apr. 11-12—Edg-Cliff Farms, Potosi, Mo. Fulkerson Sale Service, Mgrs., Liberty, Mo.
Apr. 13—Robert E. Faust (Dispersion), West Union, Iowa.
Apr. 16—Grand River Hereford Association, Gallatin, Mo. Carl O. Morrison, Secy.
Apr. 20—Northeast Hereford Breeders, Memphis, Mo. Vernon Winkler, Secy.
Apr. 20—Southwest Iowa Breeders, Red Oak, Iowa. J. W. Pogue, Mgr., Villisca, Iowa.
Apr. 22-23—Circle A Farms, Fred W. Anderson, Morris, Ill.
Apr. 30—Bones Hereford Ranch, Parker, So. Dak.
May 25—Clark Grandfield, Lorimer, Iowa.

POLLED HEREFORDS

Feb. 7—Four Star Polled Hereford sale, Kirksville, Mo. Orville H. Patten, Secy.
Feb. 17—Kingdom Association, Fulton, Mo.
Feb. 21-22—Hawkeye Breeders Assn., Cedar Rapids, Iowa. R. O. Gammon, Sale Mgr., 1518 East 9th St., Des Moines, Iowa.
Feb. 25-26—Illinois Futurity show and sale, Springfield, Ill. Ernest Painter, Secy., La Harpe, Ill.
Mar. 2—North Missouri Assn., Chillicothe, Mo.
Mar. 4—F. L. & R. K. McCreary, Mt. Ayr, Iowa, and Elmer Reeve, Diagonal, Iowa. Sale at Mt. Ayr, Iowa. Donald J. Bowman, Sale Mgr., Hamilton, Mo.
Mar. 5—M. J. Settsinger, Kinross, Iowa. Sale at Kalona, Iowa. Donald J. Bowman, Sale Mgr., Hamilton, Mo.
Mar. 7—Diamond A and Three "C," Adams, Courtland, Chapman-Couch, Allendale, Ill.
Mar. 15—Missouri State Breeders show and sale, Sedalia, Mo. Donald J. Bowman, Mgr., Hamilton, Mo.
Apr. 1-2—Illinois Polled Hereford Breeders show and sale, Springfield, Ill. Ernest Painter, Secy., La Harpe, Ill.
Apr. 13-14—Southeast Iowa Polled Hereford Association show and sale, Oskaloosa, Iowa. Calvin Crozen, Sale, Mgr., New Sharon, Iowa.
Apr. 20—Southwest Iowa Breeders, Red Oak, Iowa. J. W. Pogue, Mgr., Villisca, Iowa.
May 2—Gladbach Polled Hereford Farm, Dell Rapids, So. Dak.
July 9—O'Bryan Ranch cow and calf sale, Hiattville, Kan.

SHORTHORNS

Feb. 14-15—Interstate Breeders show and sale, Sioux City, Iowa. F. E. Jackson, Secy., Hurley, So. Dak.
Feb. 16—Fortieth Annual Spring show and sale, Omaha, Nebr. Mervin F. Aegerter, Sale Mgr., Seward, Nebr.
Feb. 21—Marshall County Breeders, Marshalltown, Iowa. Geo. H. Lewis, Mgr., R1.

SHORTHORNS

Feb. 23—Wm. Lorenzen, Pilot Mound, Iowa. Sale at Boone, Iowa. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.
Feb. 24—Western Illinois Breeders, Macomb, Ill.
Feb. 24—Western Illinois Shorthorn and Polled Shorthorns, Macomb, Ill. Hal Longley, Sale Mgr., 16 S. Locust St., Aurora, Ill.
Mar. 7-8—Iowa Royal show and sale, Des Moines, Iowa. Albert Hamann, Sale Mgr., Rock Rapids, Iowa.
Mar. 11—Hawkeye Downs Annual Spring sale, Cedar Rapids, Iowa. E. S. Girton, Sale Mgr., Box 452, Vinton, Iowa.
Mar. 17—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Mgr., Oakland.
Mar. 18—"Sale of Satisfied Buyers," Knoxville, Ill. Hal Longley, Sale Mgr., 16-S. Locust St., Aurora, Ill.
Mar. 28—Northwest Missouri Breeders, Maryville, Mo. Dr. L. W. Landfather, Mgr., 412 W. 2d St.
Apr. 11—Marion County Breeders, Knoxville, Iowa. Merrill L. Roback, Secy., Pleasantville, Iowa.
Apr. 16—12th Semi-annual Central States show and sale, Oskaloosa, Iowa. C. Emory Stewart, Sale Mgr., Rose Hill, Iowa.

POLLED SHORTHORNS

Feb. 17—Fortieth Annual Spring show and sale, Omaha, Nebr. Mervin F. Aegerter, Sale Mgr., Seward, Nebr.
Feb. 18—E. P. Laughlin (Dispersion), Imogene, Iowa. Sale at Shenandoah, Iowa. Merv F. Aegerter, Sale Mgr., Seward, Nebr.
Feb. 26—Hawkeye Downs Annual Spring sale, Cedar Rapids, Iowa. E. S. Girton, Mgr., Box 452, Vinton, Iowa.
Mar. 1—Spencer Polled Shorthorn Breeders, Spencer, Iowa. Wayne A. Carr, Sale Mgr., Cincinnati, Iowa.
Mar. 17—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Secy.-Mgr., Oakland, Iowa.
Mar. 29—Iowa Polled Shorthorn Breeders, Ames, Iowa. Wayne A. Carr, Sale Mgr., Cincinnati, Iowa.

DAIRY CATTLE

Feb. 11—Howard J. Dodge, Jersey Dispersal, Center Point, Iowa.
Feb. 15—Vernon E. O'Brien (Jersey Dispersal), Mendon, Ill. Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Feb. 19—Ward Dean (Jersey Dispersal), Linn Grove, Iowa. Sale at Spencer, Iowa. Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Mar. 19—Iowa Holstein Breeders Spring sale, Waterloo, Iowa.

BERKSHIRES

Feb. 17—Bonnie Acres Farm, Tom Conover, and Shady Brook Farm, Alex Conover, Holstein, Iowa.
Feb. 26—Boys Town, Omaha, and Honey "B" Farm, Elmer Monson, Blair, Nebr. Sale at Blair, Nebr.

CHESTER WHITE

Feb. 9—R. A. Riemenschneider, Kingsley, Iowa.
Feb. 10—Roy V. Copp & Son, Glidden, Iowa.
Feb. 11—Kenneth Wendt, Buckingham, Iowa.
Feb. 14—Walter Schmidt, Van Horne, Iowa.
Feb. 15—A. H. Petersen, Jesup, Iowa.
Feb. 16—Seth Johnson & Son, Kiron, Iowa.
Feb. 17—B. P. Held & Sons, Hinton, Iowa.

DUROCS

Feb. 5—Juhl Bros., Luverne, Minn.
Feb. 9—W. H. Helmke & Sons, Renwick, Iowa.
Feb. 10—E. W. Klingman & Son, R. 1, Waterloo, Iowa.
Feb. 11—Calara Farms, Thornton, Iowa.
Feb. 18—Roger Harper, Pleasantville, Iowa, and Harlan P. Harper, Clarion, Iowa. Sale at Nevada, Iowa.
Feb. 19—O. K. Flaugh, Reasnor, Iowa.
Feb. 22—Bert Brock, Sioux Center, Iowa.

HAMPSHIRES

Feb. 5—Gilkey Farms, Owatonna, Minn.
Feb. 7—Albert Martin & Sons, Marion, Iowa.
Feb. 8—George Lorenz, Wells, Minn.
Feb. 11—H. C. Sharkey & Sons, Hanley Falls, Minn. Sale at Marshall, Minn.
Feb. 14—Geo. C. Ruth & Sons, Onawa, Iowa.
Feb. 17—Emmett Conway, Dakota City, Nebr.
Feb. 22—George Lipsold, Avoca, Iowa.
Feb. 23—Howard Soorholtz & Son, Melbourne, Iowa, and Raymond Dagett, Conrad, Iowa. Sale at Marshalltown, Iowa.
Feb. 24—Fred F. Goodchild & Sons, Mallard, Iowa.
Feb. 25—Minnesota State Breeders, Windom, Minn. Pascal Frye, Secy., Willmar, Minn.
Mar. 5—Danielson Bros., Nevada, Iowa.

HEREFORD HOGS

Feb. 12—Iowa Hereford Hog Association, Boone, Iowa. Lincoln Goll, Secy., Garner, Iowa.

POLAND CHINA

Feb. 7—Floyd Friedow & Sons, Kanawha, Iowa.
Feb. 10—Peterson Bros., Canby, Minn.
Feb. 12—Iowa State Poland China Breeders sale, Cedar Rapids, Iowa. Fred W. Morgan, Secy., 5801 College, Ave., Des Moines, Iowa.
Feb. 18—O. R. Olerich, Rolfe, Iowa.

PUREBRED GILTS

Feb. 18—Monona County Purebred Gilts, Hampshire, Spotted Polands, Yorkshire, Moorhead, Iowa. Hal Speers, Secy., Onawa, Iowa.

SPOTTED POLANDS

Feb. 7—Gray Bros., Titonka, Iowa.
Feb. 9—A. J. Anderson & Sons, Kellogg, Iowa.
Feb. 10—Mapleleaf Farms, Bill Hemm, Chapin, Iowa. Sale at Hampton, Iowa.
Feb. 10—(Night sale) Fred Fuller, Iowa Falls, Iowa.
Feb. 16—Bert S. Geerdes & Son, Lakota, Iowa.
Feb. 17—Spies & Lein, Graettinger, Iowa.
Feb. 18—Orville Kempers, Hull, Iowa.
Feb. 19—Iowa Spotted Poland China Breeders, Boone, Iowa. Dale Eddie, Sale Mgr., Storm Lake, Iowa.

TAMWORTH

Feb. 2—Al Bolte, Avoca, Iowa.
Feb. 4—Cerny Bros., Dorchester, Neb, and Oakdale Farm, Portis, Kan. Sale at Osborne, Kan.
Feb. 7—Paul Paetow, Andover, Iowa, and Harold Eckermann, R. 3, Davenport, Iowa.
Feb. 9—Lee Winther, Wisner, Nebr.
Feb. 10—Glenn G. Healy, Moscow, Iowa. Sale at Davenport, Iowa.
Feb. 11—R. E. Robertson & Sons, Madrid, Iowa. Sale at Wellman, Iowa.
Feb. 16—T. H. Bowers, Malcolm, Iowa. Sale at Ankeny, Iowa.
Mar. 7-8—Minnesota Tamworth Association, New Ulm, Minn. L. D. Vangsness, Mgr., Kenyon, Minn.

YORKSHIRES

Feb. 5—P. L. Jackson & Sons, Lytton, Iowa.
Feb. 7—L. M. Peters, Marion, Iowa. Sale at Cedar Rapids, Iowa.
Feb. 10—Yaleburst Farm, Type Conference, 10:00 A.M., Sale 1:00 P.M., Peoria, Ill.
Feb. 15—Gail Anderson, Wisner, Nebr.
Feb. 18—Nebraska Yorkshire Breeders, Columbus, Nebr. Warren H. Cerny, Sale Mgr., Dorchester, Nebr.
Feb. 19—Warren Dankel, Glidden, Iowa.
Feb. 22—Lloyd Brown & Son, LODess Farm, Arlington, Nebr. Sale at Fremont, Nebr.
Feb. 25—J. C. Robb & Sons, Ilderton, Ontario, Canada. Sale at Wellman, Iowa, P. M. Swartzendruber, Mgr.
Mar. 15—Henderson Farm, Coin, Iowa. Sale at Shenandoah, Iowa.

SHEEP

Feb. 7—Columbia Bred Ewe sale, Rochester, Minn. Wm. Zimmerman, Mgr., Paynesville, MMinn.

DRAFT HORSES

Apr. 13-14—Tri-State Draft Horse Breeders show and sale, Austin, Minn. Don Schneckloth, Mgr., R. 3, Davenport, Iowa.

LIVESTOCK FIELDMEN

J. E. HALSEY, 1912 Grand Ave., Des Moines. Phone: Office 3-6181; Res. 7-3645.
THOS. W. SHERLOCK, Box 3, Oxford, Iowa. Phone 125.
ARCH STONE, 1912 Grand Ave., Des Moines. Phone: Office 3-6181; Res. 3-6995.
We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Angus Breeders Consignment

At new sale barn on Highway No. 34, only ½ mile east of

CORNING, IOWA

Wednesday, February 16

75 HEAD

65 HIGH-CLASS FEMALES — 10 GOOD BULLS

A most desirable offering consigned by 20 leading breeders in this area, who have consigned some of their very best cattle, rich in pedigree and pleasing in type and merit.

THE BULLS: 10 very good bulls, 5 are bulls of serviceable age, well-grown, low-set, thick-fleshed and by great sires. 5 are 1954 calves, soon ready for service, by Top Herd Bulls and good breeding. Herd bull prospects can be found here.

THE FEMALES: There are 30 most desirable 2 and 3-year-old heifers, sired by excellent herd sires and mated to Top Quality Herd Bulls. They represent the most popular blood lines. Several young 4 and 5-year-old cows, well-forward in calf to good herd sires and a few attractive open heifers.

The large number affords a wide selection, cattle consigned by good reliable breeders, who have made a success by breeding Better Angus Cattle. The offering will please. Presented in practical breeding condition, all to the advantage of the prospective buyers. Plan to attend. Ask for the FREE catalog. Kindly mention this publication. Address

HAROLD KILLION, Sale Mgr., GREENFIELD, IOWA

Arch Stone, Fieldman

KINGDOM
Polled Hereford Ass'n

5th ANNUAL SALE

Offering for your approval

54 QUALITY POLLED HEREFORDS

In Strong Breeding Condition
Not Overly Fitted

17 BRED HEIFERS
9 OPEN HEIFERS
28 BULLS

Sale will be held in heated sale pavilion on U. S. Highway 54, 1 mile north of

FULTON, MISSOURI
THURS., FEBRUARY 17

SHOW — 10:00 A. M. SALE — 12:30 P. M.
Lunch will be served

Trade Mark of Quality

FEATURING THE FOLLOWING BLOOD LINES—

WW LARRY CARLOS . . . ROLLO DOMINO . . . LARRY DOMINO . . . MISCHIEF DUKE . . . PLATO DOMINO . . . DOMESTIC MISCHIEF . . . PRESIDENT CARLOS . . . REAL SILVER DOMINO . . . AND OTHER TOP HEREFORD BLOOD LINES.

If you seek top individuals, remember that this sale offers selected individuals from the herds of the famed Kingdom of Calloway. They are consigned by the following top breeders of the area:

Bezler Bros.	Fulton	Master Key Place	Fulton
Twin Valley Farms, M. L. & Swan Ferguson	New Bloomfield	Mulyar & Soderstrom	Auxvasse
John Lammers	Fulton	Pinet & Smith	Tebbetts
Benson Lehman	Mokane	Joe S. Sydenstricker	Auxvasse
Mel-Ilo Farms	New Bloomfield	Robert D. Thomas	Fulton
		Dan Wilson	New Bloomfield

Send now for your FREE catalog. Please mention this publication. Address

KINGDOM POLLED HEREFORD ASSOCIATION
SWAN FERGUSON, Secy., NEW BLOOMFIELD, MO.

Auctioneer, Hamilton James — Arch Stone, Fieldman

KDA ANGUS SALE

SATURDAY
February 26th

KEMIS
DILENBECK
ALTHAUS

Fair Grounds
Princeton
Illinios

6 BULLS 52 FEMALES

Including

1 son of
K. F. BARDOLIER
Grand Champion 1954
American Royal
One ¾ brother to
BANDOLIER A. 50th
Popular 3d prize senior yearling
1954 Livestock Show
Two grandsons of
BANDOLIER 44th OF WILTON
By Bandolier 4th of Kemmere
One son of
BANDOLIER 148th OF WILTON
One grandson of
EILEENMERE 585th

Families

BESSIE — ZARA
BLACK JESTRESS
JILT — GEORGINA
ELINE — ENQUIRY DELL
QUEEN MOTHER
Best Blood Lines
One daughter of
EILEENMERE 1032d
One daughter of
EILEENMERE 999-35th
Seven daughters of
K. F. BARDOLIER
Five daughters of
BANDOLIER K. 16th

A group of top quality cattle we bred and raised on our farms. They will please and do well for you. Females include both bred and open heifers, top quality and breeding. Females of foundation character. The bulls carefully selected and are outstanding. They are thick, deep, rugged, of best blood lines. Herd bull prospects. Plan to attend. Ask for FREE illustrated catalog. Kindly mention this publication. Address either

LYMAN KEMMIS & SONS
Prophetstown, Illinois

HORACE DILENBECK & SONS
Genesee, Illinois

BERT ALTHAUS & SON
Mendota, Illinois

Auctioneers, Roy Johnston and Paul Good — Arch Stone, Fieldman

INTERSTATE
Aberdeen — Angus Breeders Ass'n

SPRING SHOW AND SALE

SHOW — 9:00 A. M. SALE — 1:00 P. M.

Judge: Geo. J. Edwards, Iowa State College, Ames, Iowa
In Stock Yards Sale Barn

SIOUX CITY, IOWA
Monday, February 28th

— 90 HEAD —

53 Excellent Bulls — 37 Foundation Females

Interstate Angus Breeders have always presented desirable cattle. This sale will be one of the best they have ever offered. The 53 **Bulls**, all of serviceable age, big rugged bulls, low-set, thick, even-fleshed, modern type, ideal for genuine Herd Sires. They are by Top Herd Bulls. The large number affords a wide selection for **Breeder, Farmer** or **Commercial Cattleman.**

The 37 **females** are suitable for foundation purposes. They are a desirable lot, selected with care from leading herds, by great bulls, pleasing in type and conformation, rich in pedigree. Both bred and open heifers, the bred heifers are mated to the **Top Herd Sires** used by members of this Association. The open heifers are ideal to mate to your own great sires. Some of the most popular families, **BLUEBLOOD LADY IDA'S (2), MAID OF BUMMERS, BALLINDALLOCH, JILT, GLENCARNOCK MIGNONNE, PINKY PRIDE, KATINKA, BANDY MAID MISS BURGESS, BLACKCAP EMPRESS** and others. Nothing finer. They come from leading herds in 4 states. The consignors are:

Lloyd O. Albers & Son	Spirit Lake, Iowa	Enoch Kittleson	Sherburn, Minn.
Axel R. Anderson	Cherokee, Iowa	Fred Knop & Sons	Charter Oak, Iowa
Arnold Angus Farm	Sioux Rapids, Iowa	Layton Angus Farm	Walnut, Iowa
Tom Barrett & Sons	Irwin, Iowa	Herbert L. Mensch	Truman, Minn.
Charles F. Boermann	Dakota City, Nebr.	Justin A. Mortvedt	Dell Rapids, S. D.
W. B. Campbell & Sons	Gilmore City, Iowa	Mugge & Wolf	Gleghorn, Iowa
George G. and Duane Clark	Worthing, S. D.	Nokomis Stock Farm	Alta, Iowa
Leonard Dieter	Schleswig, Iowa	Nys Farms	Plainview, Nebr.
Eugene Fertig	Odebolt, Iowa	P. K. Pratt	Walnut, Iowa
Nick H. Fox & Sons	Watertown, S. D.	Edward Preul & Son	Charter Oak, Iowa
Harold C. Fritzel	DeSmet, S. D.	Carl Stauck	Primghar, Iowa
Dwight M. Garner	Ida Grove, Iowa	Ron G. Studer	Wesley, Iowa
Gauger Bros.	Clear Lake, S. D.	Dwight Tabke	Moville, Iowa
Walter R. Grieson	Rock Rapids, Iowa	John Tabke	Moville, Iowa
Hess & Woods	Spencer, Iowa	Timbertop Angus Farms (D. & E. Muir)	
Johnson Bros.	Ida Grove, Iowa		Rippey, Iowa
Enoch & Bob Johnson	Arthur, Iowa	Fred D. Weaver	Mapleton, Minn.
Ramon A. Johnson	Holstein, Iowa	O. O. Williams & Son	Jefferson, Iowa
J. M. Killpack & Son	Logan, Iowa	Ross O. Willey	Onawa, Iowa

This will be one of the good sales of the season. Your opportunity to select a wonderful herd bull or foundation females. COME! Make admirable and profitable selections from the large number. All T.B. and Bangs tested, and guaranteed breeders. Ask now for FREE catalog. Kindly mention this publication. Address

DWIGHT TABKE, Secy.-Sale Mgr., MOVILLE, IOWA

Duane Clark, Pres., Worthing, S. D. — T. W. Sherlock, Fieldman

THOMPSON HEREFORD FARM

Production Sale

Sale at 1:00 P. M. at the Campbell Sale Barn, on Highway 56 at south edge of

CHILLICOTHE, MO.

THURS., FEB. 24

64 HEAD

41 Females — 23 Bulls

The 41 females will include heifer calves, bred heifers, and top young cows. The cows are all three years old or younger. They are not highly fitted, but are in good strong breeding condition.

The 23 bulls will include one top proven herd sire, two two-year-old bulls, several service age bulls, and a few younger calves. There are some top prospects among them.

Feature attraction of the sale will be S ROYAL AGGRESSOR, an outstanding young proven sire from the nationally prominent Suncrest Ranch herd of Phoenix, Arizona. His get, both bulls and females, will be offered, and they stamp him a "real breedin' bull."

Also Offered Will Be the Gets and Services of the Following Sires:

THF LARRY DOMINO 2d—A son of Larry Domino 133d, Register of Merit sire owned by Circle A Farms, Morris, Ill.

THF RESOLUTE 1st—A son of the Register of Merit sire, WHR Resolute 55th, purchased from Bianchi Hereford Ranch, Macon, Mo. He has done an outstanding job in our herd.

We have made every attempt to build one of the top cow herds of the area, and we believe you will like the breeding and uniformity we have developed. We have selected some of the top sellers from the sales of many of the nation's leading herds, including the following: VAN NATTA HEREFORD FARM, Battle Ground, Ind.; HILLCREST FARM, Chester, W. Va.; CIRCLE A FARMS, Morris, Ill., and T. R. SORENSEN, Monee, Ill. We hate to part with many of the individuals in this sale, but, since we want to make this, our first production sale, a good one, we have cut deep into our herd to bring you this offering. Write now for your **FREE** catalog or for reservations. Please mention this publication. Address

IVAN THOMPSON, Owner, CHILLICOTHE, MO.

Auctioneer, Jewett Fulkerson — Arch Stone, Fieldman

The ROUND-UP HEREFORD SALE

OFFERS

— 200 HEAD —

175 Bulls 25 Females

February 28, Kansas City, Missouri

American Royal Building

— 200 HEAD —

Sell as Individuals, and Pens of Two, Three and Four

★ **HERD BULLS** ★ **RANGE BULLS**

★ **FARM BULLS** ★ **GOOD HEIFERS**

"It's a buyers' market in Kansas City. You can buy your next bull at your price. Take one or a carload."

Write for **FREE** catalog. Kindly mention this publication. Address

AMERICAN HEREFORD ASSOCIATION

Hereford Drive — Kansas City, Mo.

Arch Stone, Fieldman

HARPER'S DUROC SALE

In New 4-H Sale Pavilion

NEVADA, IOWA, FRIDAY, FEBRUARY 18th

4-H AND F.F.A. JUDGING CONTEST AT 9:00 A. M.

90 HEAD { 55 SPRING GILTS, 20 OPEN FALL GILTS, 15 FALL BOARS }

$100 IN PRIZES TO BE USED IN AFTERNOON AUCTION

An excellent offering, sired from two Top Herds, nicely grown, the true **MEAT-TYPE**. Sired by **TOMAHAWK**, 1954 Iowa "Premier Sire," and **MIRACULOUS**, Reserve "Premier Sire." We offer our 1st Jr. Spring Gilt at Iowa mated to **TOMAHAWK**. Also litter mate gilts to Iowa Jr. Champion Boar and Iowa Grand Champion Boar.

"PREMIER DUROC SALE IN IOWA"

Ask for **FREE** catalog. Kindly mention this publication. Address either

ROGER HARPER Pleasantville, Iowa — **HARLAN P. HARPER** Clarion, Iowa

QUALITY BEEF CATTLE

Bingley Sale Barn, north edge of

KNOXVILLE, IOWA, MONDAY, FEB. 7, 1955

Starting promptly at 12:00 Noon

350 CHOICE BRED COWS

There are **200** White-Faced Cows, from **3** to **6** years old, bred to top quality bulls and will start to calve about April.

150 SPLENDID ANGUS COWS

A grand lot of **ANGUS** cows, from **3** to **6** years old, mated to High-Class Herd Bulls, and will start to calve about April 1st.

An ideal way to market your rough feed to the best advantage. The production of prime beef is the economical way to market your feed. It won't be long till Spring. Your opportunity. **COME!** All cows **T.B.** and **BANGS** tested. Guaranteed to be safe in calf. For more information, phone

PARK BINGLEY, Owner, KNOXVILLE, IOWA

SCHMINKE'S QUALITY CHESTER SALE

Sale at farm, 7½ miles south of Vinton on Hy. No. 218

VAN HORNE, IOWA

MONDAY, FEBRUARY 14th

50 OUTSTANDING SPRING GILTS

Our best offering, well-grown, with style and merit, the genuine **MEAT-TYPE** kind, sired by **FIRST EDITION**, Iowa's 1952 Res. Jr. Champion; **TIP TOPS LUSTY**, Ill. and Ind. 1953 Res. Jr. Champion, and **MR. ATTRACTION**, 5th Sr. Yearling at 1954 Iowa State Fair. Bred to **ALL STATE MODEL**, 1954 Minnesota State Champion; **ELDORADO CHIEF 3rd**, a grandson of 1952 National Spotlight Champion, and **TIP TOPS LUSTY**. We feature Reserve Champion Sow & 1954 National Barrow Show, bred to All State Model. Entire offering a combination of Champion blood lines. None better. Ask for **FREE** catalog. Kindly mention this publication.

WALTER SCHMINKE & SONS, VAN HORNE, IOWA

Our Popular 1954 Iowa Grand Champion Sow

Quality Berkshires

Sale Pavilion

HOLSTEIN, IOWA

THURSDAY, FEBRUARY 17th

20 SPRING GILTS — 20 FALL GILTS

5 FALL BOARS

A choice offering from farms that produce top quality Berkshires. The modern type, by great sires. Mostly bred to **SURMOUNTS STYLE**, 1954 Iowa State Fair 1st prize Fall Boar.

SPECIAL: We also offer 5 purebred HEREFORD bulls, 18 months old, by **YOUNG D. MISCHIEF**. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address either

BONNIE ACRES FARM Tom Conover — **SHADY BROOK FARM** Alex Conover

Geo. Ruth's Hampshires Sale

Sale at farm, south of Sioux City, 6 miles southwest of Whiting, and 7 miles northwest of

Onawa, Iowa, Mon., Feb. 14

Starting at 1:00 P. M.

45 TOP SPRING GILTS — 2 FALL GILTS — 3 TRIED SOWS

An excellent offering of the genuine **MEAT-TYPE** Hampshires, well-grown, with style and quality, rich in best blood of the breed, sired by **ONAWA CHOICE**, **U. C. PRINCE**, **CLEARVIEW COUNT**, **GRAND MISCHIEF** and **MIRACLE WINNER**. Mated for February, March and April farrow to **U. C. PRINCE**, son of Northern Prince; **ROYAL MIX**, **GRAND MISCHIEF** and sons of **CLEARVIEW COUNT**. Top blood lines. **COME!** Ask now for **FREE** catalog. Kindly mention this publication. Address

GEORGE C. RUTH & SONS, ONAWA, IOWA

DAGGETT-SOORHOLTZ

HAMPSHIRE SALE

Central Iowa Fair Grounds

MARSHALLTOWN, IOWA

WEDNESDAY, FEBRUARY 23rd

Starting at 1:00 P. M.

60 Outstanding Gilts to Sell This Season

They are truly the genuine **MEAT-TYPE**, well grown with quality and merit, sired by **ANDY AMOS**, by Mischief Amos and other great sires . . . top blood lines of the breed. Bred to "Proven Sires," the way to produce the right kind. They are mated to **TEN GRAND** by Great Western, **SOLID GOLD** by Golden Hawk, **SUPERIOR**, Junior Yearling Prospect, **COUNT AMOS** by Clearview Count; **DANNY BOY** and **BELVEDERE** by Bell Boy. **TEN GRAND**, an extremely rugged boar and very popular Junior Yearling at Iowa State Fair. His Get placed well at several major shows . . . several winning **4-H Litters** and 3 of the first 5 Heavy Barrows at Iowa were sired by him. Choice daughters of **TEN GRAND**, bred to **COUNT AMOS**, one of the longest young boars in service. Top breeders' sires, outstanding **4-H** prospects and plenty of good commercial gilts, bred to farrow right after sale date to **"PROVEN SIRES."** Buy one. (Watch for Feb. 19th issue.) **COME!** Ask now for **FREE** catalog. Kindly mention this publication. Address either

HOWARD SOORHOLTZ & SON MELBOURNE, IOWA — **RAYMOND DAGGETT** CONRAD, IOWA

●Let the advertisements in Wallaces' Farmer and Iowa Homestead form your buying directory. If the articles you wish to purchase are not advertised in this paper, we will be glad to give you the names of reliable firms from which you can make your purchases.

HAMPSHIRES

Sale at farm, ½ mi. N. on No. 17

MALLARD, IOWA
THURS., FEB. 24, 1955
60 TOP SPRING GILTS

Choice, well-grown, excellent type and merit. Sired by **FOUNDATION** by Cedar Dales Still Master, and **POCAHONTAS**, the All-American. Bred to farrow in March and April to **MODEL**, by Great Western, 3 times All-American, Dam by an All-American; **BIG WESTERN**, grandson of Western Nuggett. Daughters of **POCAHONTAS**, All-American, bred to **GREAT WESTERN**, a son of 3 times All-American. Breeding at its best. **COME!** Ask now for **FREE** catalog.

FRED F. GOODCHILD & SONS
MALLARD, IOWA

Tamworth Sale

Swartzendruber Sale Barn

WELLMAN, IOWA
FRIDAY, FEBRUARY 11, 1955
Starting at 12:30 P. M.

30 Bred Gilts and Sows
20 Choice Fall Boars
10 Excellent Fall Gilts
1 Senior Herd Sire, the 1954 Iowa State Fair "Premier Sire"

Having dissolved our stock share partnership, we are offering choice breeding stock from our Iowa Brucellosis Controlled Herd, Certificate No. 73. Plan to attend. Ask for **FREE** catalog. Address

R. E. ROBERTSON & SONS
RT. 1, MADRID, IOWA

FLAUGH FARMS
DUROC SALE

Sale at farm, south of Newton and 2 miles north of

REASNOR, IOWA
SATURDAY, FEB. 19, 1955
40 TOP BRED GILTS

Choice, well-grown, best of breeding, showing their own guarantee. Bred to **MAINLINE JOE**, the 2nd prize Senior Yearling at 1954 Iowa State Fair, and to **CLEAN CUT DIAMOND**, an outstanding dark red spring boar. His Dam was 1st prize at Nebraska State Fair. All gilts tegative. Ask now for **FREE** catalog. **COME!**

O. K. Flaugh, Reasnor, Iowa

SPOTTED POLAND

Sale at farm, 1 mile south, 1¼ mile west of

GRAETTINGER, IOWA
FEBRUARY 17th
55 HEAD

Choice, well-grown, sired by top boars of the breed. Litter mates to top litters of boars in fall sales. Mated to **CHANGER**, Ohio Res. Champion, litter mate to My-T-Fine, Ohio Jr. Champion, top boar of 1954; **GOLDEN PERFECTION**, Missouri State Show Champion, and **DISCOVERY**. The place **"Champions Are Bred."** Ask for **FREE** catalog.

SPIES & LEIN
GRAETTINGER, IOWA

LIVESTOCK NEWS

The **Lin Hill Farm Angus** dispersion, Denison, Iowa, Jan. 26, drew breeders and cattlemen from a wide section. Breeders were in attendance from all sections of Iowa, Illinois, Minnesota, South Dakota, Nebraska, Kansas and Colorado. The results follow:

3 bulls averaged $1,570
73 females averaged $428
76 lots averaged $473

The herd bull, Ankonian 3506, a four-year-old son of Homeplace Eileenmere 999th-35, twice International reserve champion, sold for $4,000 to Har-Lan Farms, Pacific Junction, Iowa.

The top female, Blackcap McHenry 2d with bull calf at side by Eileenmere 1050th, the 1950 International champion, went at $2,500 to John Warin, Maloy, Iowa. Mahrapo Black Princess, a daughter of Prince of Lakewood 5th, sold for $1,000 to Willimere Farm, Tipton, Iowa. Black Jestress T. 130th went at $1,000 to Layton Ranch, Walnut, Iowa. George Doll, Hill Top Angus Farm, Ft. Morgan, Colo., purchased Eileen Erica L.H., a daughter of Homeplace Eileenmere 106th, at $500. Maurice Boney managed the sale in a most capable manner.

Leading Hereford breeders from many states were on hand at the **Iowa State Hereford** show and sale at Cedar Rapids, Iowa, Jan. 24, 25 and 26. Demand for the better kind, especially in the bull division was strong thruout the auction. Altho more than two-thirds of the offering stayed in Iowa, there was very strong out of state support, with cattle selling into Ohio, North Dakota, Wisconsin, Illinois, Indiana, South Dakota and Nebraska. Averages were as follows:

192 bulls averaged $452
122 females averaged $323
314 lots averaged $402

This over-all average is $13 per head above the $389 average last year, and the bulls averaged $59 per head more than last year's $393 average. Females were rather slow to move, and the average was down $64 per head from last year.

Burns Hereford Farms, Pulaski, Iowa, brought out the futurity champion and top selling bull, Super Larry, an October '53 son of CA Larry Domino 45th selling to Circle A Hereford Farm, Morris, Ill., at $3,125. Fairlea Farms, Peru, Ind., paid $2,500 to own Out Bounds, a May '50 proven son of Elect Donation consigned by Lyman E. Meyer, Bellevue, Iowa. He was reserve champion open class bull.

Open class champion bull was Wilton Domino 4th, a September '53 son of Swaims Wilton Domino consigned by C. C. Long, Corydon, Iowa. Ray Schnell, Dickinson, N. D., became the new owner at $1,310. Ivan Pollock, Mt. Auburn, Iowa, paid $850 for the reserve champion futurity bull, Swaims Wilton Domino 7th, consigned by W. L. Swaim, Blakesburg, Iowa. Melvin J. Felk & Son, LaMoille, Ill., paid $1,500 for SA Proud Mixer 23d, consigned by Amana Society, South Amana, Iowa.

Battle Duchess 27th, a September '53 daughter of Battle Duke 9th consigned by Edward H. Ahrendsen, Audubon, Iowa, was futurity champion and top selling female at $1,200, the bid of Harold L. Asmus, Audubon, Iowa. Kadrmas Bros., Dickinson, S. D., paid $800 for the champion open class female, Real Miss 52d, a daughter of WO Larry Domino consigned by C. Pine, Williamsburg, Iowa.

H. L. Ross & Son, Earlham, Iowa, exhibited the reserve champion open class female, Lady Mixer 11th, a daughter of U Royal Mixer 64th, selling to Joe Binstock, Dickinson, N. D., at $720. Jane Triumph, a daughter of WHR Elite Triumph consigned by F. Max Schomberg, Letts, Iowa, was reserve champion futurity female, and sold to Lock Haven Farms, Batavia, Ohio, at $540.

Cols. Howard Schnell, Emerson Marfing, and Jewett Fulkerson cried the sale, which was managed by Jim Mulvihill, Cumming, Iowa.

Officials of the **Illinois Brahman Association** have announced that a premium paying division for registered Brahmans has been established for the 1955 Illinois State Fair. Altho Brahmans from thruout the United States have been exhibited along with Illinois-raised Brahmans for three years at the fair, the 1955 fair will be the first time that money, banners and ribbons will be awarded.

Gilbert G. Zollinger, Cullom, IBA secretary, said a meeting of IBA officers and directors with state fair officials resulted in establishing classes for Brahman crossbred steers, also.

American Brahmans have had approved classes for three years at both the Ohio and Kentucky State Fairs. It is expected that the Indiana State Fair will include them in 1955 to make a complete competitive circuit for Midwestern Brahman breeders.

IBA officials point out that the popularity of the "humped" breed of beef cattle in the Midwest has increased tremendously in the past five years. Nearly 100 head of purebred Brahmans and Brahman-hybrid steers were shown competitively at the Ohio and Kentucky fairs in 1954. A public auction sale of these hybrid-producing cattle in Columbus, Ohio, in September saw 24 head bring an average price of $508.

Association president D. J. Kennel of Minier, and M. J. Wooster of Sterling have exhibited Brahman cattle at the Illinois State Fair for five years.

Buy purebred, topcross or hybrid boars from firms or breeders who are making an effective selection for high-quality, meaty hogs with good carcass quality.

For top egg production, keep your hens from getting either too fat or too thin.

Periodic improvement cuts to remove cull, poor-risk or low-value trees will provide space for profitable, harvest-type trees in your farm woodland, says a University of Illinois forester.

Tamworth Bred Sow Sale

Comfortable heated building, Mississippi Valley Fair Grounds

Davenport, Iowa, Thurs., Feb. 10
Starting at 1:00 P. M.
75 HEAD
55 Bred Sows—20 Fall Boars and Gilts

Some tops from **National** Tamworth Sale, including Grand Champion Gilt, mated to **NEW ERA**, Grand Champion, Iowa and Indiana State Fairs. Also tops from Princeton Illinois, and Iowa State Sale. Bred to **MEADOWBROOK BIG START 1st** (109,104), sire of Jr. Grand Champion Boar and 1st Gilt at West Liberty, and Grand Champion Sow at Cedar Rapids, **S. B. RED JACKET 1st** (120,440), one of the tops at the **National**. The 20 fall boars and gilts with an outstanding litter, whose Dam is a litter mate to **MEADOWBROOK MAC**. Best of breeding. Real **MEAT-TYPE**, immune. **COME!** Ask for **FREE** catalog. Kindly mention this publication. Address

GLENN G. HEALY, MOSCOW, IOWA

WESTERN ILLINOIS

SHORTHORN AND POLLED SHORTHORNS

Comfortable Pavilion

MACOMB, ILLINOIS
THURS., FEB. 24, 1955
23 BULLS — 32 FEMALES
"Profit-Making Cattle"

Consigned by 20 leading breeders in this area from Illinois, Iowa and Missouri, selling in working condition, ideal for **Money-Making**. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

HAL LONGLEY, Sale Mgr.

16 S. Locust St. Aurora, Illinois
Auctioneer, Tom Sherlock

MONONA COUNTY
Prebred Gilt Sale

Heated pavilion, southeast of Onawa at

MOORHEAD, IOWA
FRIDAY, FEBRUARY 18, 1955
Starting at 1:00 P. M.
86 HEAD

27 HAMPSHIRES
Choice well-grown, 25 consigned by Wendall Lown, Castana, Iowa, and 2 from Phillipp Johnston, Castana, Iowa.

30 YORKSHIRES
Tops from the herd of Weston Taylor, Moorhead, Iowa.

29 SPOTTED POLANDS
Some of the best, 25 from Elmer Moelhorst, Soldier, Iowa, and 4 from Joe Dergens, Soldier, Iowa.

Plan to attend. Write to any of the above consignors for **FREE** catalog. Kindly mention this publication.

MONONA COUNTY PUREBRED
SWINE PRODUCERS ASSOCIATION
Free Lunch at Pavilion

IMPORTED
YORKSHIRE SALE

Purebred Sale Pavilion

WELLMAN, IOWA, FRI., FEB. 25th
55 HEAD
40 BRED GILTS — 10 OPEN GILTS & FALL BOARS

All are registered, popular blood lines, the best of the breed. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

J. C. ROBB & SONS, Owner
ILDERTON, ONTARIO, CANADA
Auctioneer, P. M. Swartzendruber

SPOTTED POLANDS

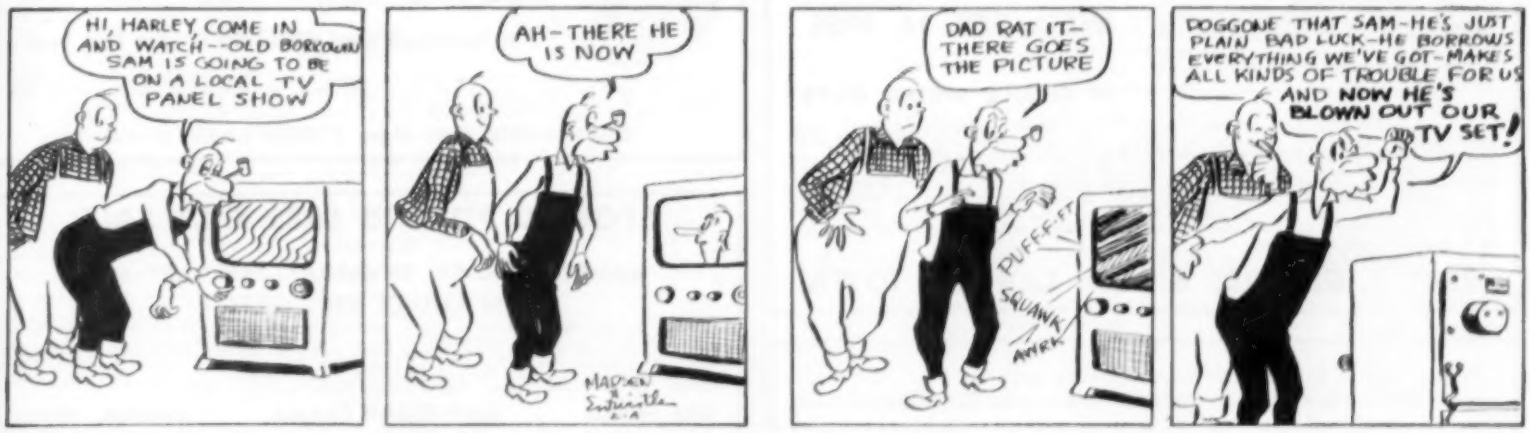
(Sale at farm near)

KELLOGG, IA., FEB. 9th

Choice well-grown gilts, including Minnesota State sale Champion. Mated to **DISCOVERY**, Top Minnesota Boar; **SMASH HIT** and a few to **LIVE POWER**. Ideal quality. Rich blood lines. Ask for **FREE** catalog. Please mention this publication. Address

A. J. ANDERSON & SONS
KELLOGG, IOWA

HARLEY AND GRAMPS—Sam looks good on TV



La Fran Farm Yorkshire Reduction

Hawkeye Downs Pavilion

CEDAR RAPIDS, IOWA, MONDAY, FEB. 7TH

57 BRED SOWS AND GILTS
10 SELECT FALL BOARS
12 ATTRACTIVE FALL GILTS

Because of increased farming operations and the help situation, I must cut deep into my breeding herd, hence this **REDUCTION SALE.**

We feature one of AMERICA'S best bred ENGLISH HERD sire batteries. The result of 8 years of constructive breeding.

IMPORTED

LA FRAN BRADBURY by Ardencote Bradbury 25th
LA FRAN FIELD MARSHALL by Wall Field Marshall 102d
KELMSCOTT CONSORT H., by the great Kelmscott Consort

SPECIAL ATTRACTION
10 KELMSCOTT BELLIES
the rarest and best producing of all Yorkshire Families

Your opportunity to start right, into the fast becoming AMERICA'S NO. 1 MEAT BREED! Attention, Commercial Producers, we offer 12 fancy-bred gilts, unrecorded, especially for you. Plan to attend this event. For catalog address

L. M. PETERS, MARION, IOWA

Auctioneer, Jim Morris — Send your order to J. E. Halsey, Fieldman

ENGLISH YORKSHIRES

"BIG BROODY MEAT-TYPE"

At farm, 4 miles southwest of

Glidden, Iowa, Saturday, February 19th

Starting at 1:00 P. M.

50 TOP BRED GILTS

FEATURING the services of the Nation's Top Selling Spring Boar of 1954: MAPLELEAF CHAMPION BOY 022J. A grand selection of fast-growing YORKSHIRES, displaying genuine quality. The ideal type, rich in best of ENGLISH blood lines. See this wonderful offering. Buy YORKSHIRES, the prolific breed, America's fastest growing breed! Choice of the Housewife, Butcher and Packer. The truly herd improving kind.

7 PURPLE-BRED FALL BOARS
10 OUTSTANDING FALL GILTS
WILL BE SOLD IN THIS SALE

An event you will want to attend. Plan to COME! Ask now for FREE catalog. Kindly mention this publication. Address

WARREN DANKEL, GLIDDEN, IOWA

Auctioneer, Jim Morris — Send your order to J. E. Halsey, Fieldman

TWENTIETH CENTURY, Junior Champion at Minnesota Breeders Show and Sale, the top boar selling for $600.

Spotted Polands

Sale at farm, north of Algona, Iowa
The farm is 3½ miles south and 1½ miles east of

LAKOTA, IOWA

WED., FEB. 16, 1955

Starting at 1:00 P. M.

50 CHOICE SPRING GILTS

An excellent offering selected from a large herd, well-grown, with type and quality, sired by **HOMESTEADER,** 1952 Iowa Reserve Jr. Champion; **TWENTIETH CENTURY, PREDICTION** and **SILVER HEIR.** We offer our Junior Champion Gilt at Kossuth County Fair. Bred to **PRESTO** by Up-To-Date-King; **MODERN TYPE; BIG WONDER** by Keen Cut; **TRIUMPH,** top boar in Dooley's sale; a son of P. B. & W. Blue Print; **DO WELL** by Mark Ye Well. All top boars of the true **MEAT-TYPE,** with plenty of length and color. **COME!** Ask now for **FREE** catalog. Kindly mention this publication. Address

BERT S. GEERDES & SON, LAKOTA, IOWA

When writing to our advertisers, please mention that you read their advertisements in Wallaces' Farmer and Iowa Homestead

HIGH QUALITY POLAND CHINAS

Sale at farm, heated building, located ¼ mile north and ¾ mile west of

ROLFE, IOWA

FRIDAY, FEBRUARY 18th

35 TOP SPRING GILTS
5 FALL YEARLINGS

One of the truly top quality offerings of the year, from a herd long-established where top quality has been produced for many years. All nicely grown, rugged, sound, with type and merit . . . the right kind for genuine breed sows. Sired by **M & M HIGH SIGN,** the 2nd prize aged boar at 1954 Iowa State Fair; **BIG PAY OFF; NEWS BOY SPECIAL** and **HELMSMAN'S STAR.** Rich in best blood lines. Bred to **PAT'S BLUE STAR,** the 4th prize Junior boar at Nebraska State Fair; **KINGS PAY,** the 3rd Senior Spring boar at Iowa State Fair and 1st **F.F.A.** boar at Iowa; **TOPS ALL,** our choice of boars sold at Iowa State Sale, and **BIG PAY OFF,** an array of great sires. A few bred for last of February, most to farrow in March and a few will farrow in April. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

O. B. OLERICH, ROLFE, IOWA

Our popular 1954 Iowa Prize-winner

JOHNSON'S

Chester White Sale

Iverson garage in

ODEBOLT, IOWA

WEDNESDAY, FEBRUARY 16th

60 TOP SPRING GILTS

An outstanding offering, uniform, well-grown, with size and quality, rich in most popular blood lines. Sired by **THE GOAL,** "Premier Sire," Iowa and Nebraska, Grand Champion, Spencer. He sired Jr. Champion, Reserve Jr. Champion and Reserve Grand Champion Gilts, Nebraska, and Jr. Champion and Reserve Grand Champion Gilts, Clay County Fair. Mated to **WHITECAP MASTER KEY,** the 1954 1st prize Sr. Spring Boar at Indiana, and top boar east of Mississippi. A boar of excellent length, smoothness and soundness. Definitely the **MEAT-TYPE,** a boar with a great future, and **WHITE NUGGET,** Jr. Champion Spring Boar 1953 Missouri, and out of White Queen, 1954 Iowa Grand Champion. **COME!** Ask now for **FREE** catalog. Kindly mention this publication. Address

SETH W. JOHNSON & SON, DUANE, KIRON, IOWA

Auctioneer, Clair Mason

FULLER'S SPOTTED POLAND SALE

In comfortable F.F.A. Building

IOWA FALLS, IOWA

THURSDAY, FEBRUARY 10th

Night Sale Starting 7:30 P. M.

60 OUTSTANDING SPRING GILTS
10 RUGGED FALL BOARS

A great offering, all well-grown, smooth, with length and quality, sired by **TRUSTY** and **FOLLOW ON,** 1953 Iowa Junior Champion, and mated to three great boars, namely: **REFORMER,** Wisconsin Champion; **MY'T. FINE,** top boar in Kitterman sale, and **PARAGON,** Junior and Reserve grand champion, Spencer, Iowa. The 10 top **FALL** boars are by **REFORMER,** the Wisconsin Champion. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication.

FRED FULLER, IOWA FALLS, IOWA

KEMPERS' SPOTTED POLAND SALE

BINGO, our popular Grand Champion at Spencer, Iowa.

Sale at farm, 4 miles south of

HULL, IOWA, FRIDAY, FEB. 18th

60 TOP SPRING GILTS

The best offering we have ever sold, large, growthy gilts, mated for March and April farrow, to **PIONEER,** top boar in Leonard Coufal sale, and **QUICK SILVER,** a flashy son of Iowa's reserve Grand Champion. Gilts are sired by **BINGO,** 1954 Spencer Grand Champion (illustrated here), and **SILVER ACE,** the 1st Senior yearling at Spencer in 1954. Good quality, rich breeding, mated to Top Boars. **COME!** Ask for **FREE** catalog. Kindly mention this publication. Address

ORVILLE KEMPERS, HULL, IOWA

IOWA SPOTTED POLAND BREEDERS

SHOW — 10:00 A. M. SALE — 1:00 P. M.

4-H Building, Fair Grounds

BOONE, IOWA, SAT., FEB. 19th

50 Excellent Bred Gilts—10 Choice Fall Boars

A great offering selected with care from the leading herds of Iowa. All well-grown, with type and merit, sired by boars, rich in Champion blood lines. Mated to great sires, boars that are Champions or sons of Champions. They will please. The **10** fall boars, big rugged boars with quality and top breeding. Ask for **FREE** catalog. Kindly mention this publication. Address

DEAN EDDIE, Sale Mgr., STORM LAKE, IOWA

SPOTTED POLAND BRED GILT SALE

Fair Grounds

HAMPTON, IOWA, THURSDAY, FEBRUARY 10th

50 CHOICE BRED GILTS

Mostly by **MR. PRIDE,** Premier Sire at National Barrow Show, **SOUND OFF,** 1953 Iowa Premier Sire, **THE HIT** and **APACHE.** Many of February farrow, carrying a lot of size, and bred to farrow from February 15th through March, to **PACE SETTER,** top boar in Eddie Hyne sale, by Iowa Reserve Grand Champion, and to **JUNIOR,** 3rd prize boar at 1954 Iowa State Fair. A well-grown offering, with size and quality. Bred and fed for brood sows. They will please. **COME!** Ask for **FREE** catalog. Please mention this publication. Address

BILL HEMM — MAPLELEAF FARMS — CHAPIN, IOWA

QUALITY CHESTER WHITES

At famous Sunnycrest Farm, ¾ mile east of

KINGSLEY, IOWA, WEDNESDAY, FEB. 9th

50 OUTSTANDING GILTS

This is by far the most outstanding offering we have ever presented. All well-grown, with style and merit . . . the genuine **MEAT-TYPE** kind. Sired by **SUNNYCREST WHITE LAD** 635187, 1st prize 1953 Fall Boar, Sioux Falls, S. D., and Clay County Fair, and **SUNNYCREST TYPESETTER** 638269, the 1953 2d prize Junior Spring Boar at Iowa State Fair. Mated to **SUNNYCREST PRINCE,** the popular 1954 Reserve Junior Champion at Iowa State Fair. If you desire quality gilts, with type that will make genuine brood sows and mated to an outstanding Champion Boar. All tested for **Brucellosis.** Plan to attend this sale or send an order. Ask for **FREE** catalog. Kindly mention this publication. Address

R. A. RIEMENSCHNEIDER, KINGSLEY, IOWA

Auctioneer, J. E. Halsey. Send bids to T. W. Sherlock, Fieldman, in my care

PETERSEN'S CHESTER WHITE SALE

Sale at farm, located 12 miles east of Waterloo on Highway No. 20, and near

JESUP, IOWA, TUESDAY, FEBRUARY 15th

Starting at 1:00 P. M.

40 CHOICE FALL AND SPRING GILTS

A great offering, well-grown, with length and smoothness and the type in demand today. We offer our **4th and 5th** prize Senior gilts at 1954 Iowa State Fair, two of the best I ever raised; also their litter mates and others of like quality. Offering sired by **SPOTLIGHT PERFECTION** 6346641, 3rd prize Senior yearling at 1954 State Fair, and **JUSTRITE** 630329, 2d prize aged boar 1954 State Fair. Bred for February and March litters to **TYPHOON** 646779, 2nd top selling boar in Smith sale, a real Junior yearling; and **HOTSHOT JR.** 646043, 3rd prize Fall Boar 1954 State Fair, a genuine **MEAT-TYPE** boar. State Accredited Brucellosis Free No. 126. Vaccinated. Guaranteed and recorded. **COME!** Ask for **FREE** catalog. Kindly mention this publication. Address

A. H. PETERSEN, JESUP, IOWA

White Queen, 1954 Iowa Grand Champion

WENDT'S CHESTER SALE

(Sale at farm near)

BUCKINGHAM, IOWA

FRIDAY, FEB. 11th

40 TOP QUALITY GILTS

The cream of our crop. The 1950, 1952 and 1954 Iowa Grand Champion sows were shown by us. The 1953 grand champion was sold by us. Offering by **GOLDEN NUGGET,** Ia. Res. Jr. Champion; **DIAMOND MODEL,** 1953 Ia. Grand Champion; **ANN A LEES' HOTSHOT** and **AJAX,** 1953 Nebr. Grand Champion. Bred to **CYCLONE,** 1954 Ia. Jr. Champion and top boar of fall sales, **THE SPECIAL,** 3rd in Sr. Spring pig at Iowa. Daughters of 4 grand champion sows and mated to great boars. Plan to attend. Ask for **FREE** catalog.

KENNETH WENDT & SON — **BUCKINGHAM, IOWA**

Richly-Bred Chester Whites

Sale at farm, located just north of Sioux City on Highway No. 75 near

HINTON, IOWA, THURSDAY, FEBRUARY 17th

Starting at 1:00 P. M.

A choice offering of March and April Gilts, grown on clean ground, and balanced growing ration, medium type, uniform, heavy, sound, firm-fleshed kind. They are sired by **MIRACLE STEP A-HEAD,** 2nd Junior yearling at 1954 Spencer Fair, **H. STEP A-HEAD,** an outstanding breeding boar by **MIRACLE STEP A-HEAD.** A few by **ROYAL BANNER,** 2nd as a Junior Boar pig at Iowa in 1951. Bred for late February and March farrow to **SUMMIT CHALLENGER,** an outstanding Senior Spring pig sired at Spencer. **HELD'S ADVOCATE,** a top pig from the Ruben Schryer herd and a son of **SPOTLIGHT SPECIAL,** from a full sister to **LAND O LAKES DESIGN,** the National Champion 1954. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

B. F. HELD & SONS, Box 147, HINTON, IOWA

IOWA STATE POLAND CHINA

Hawkeye Downs Pavilion

CEDAR RAPIDS, IOWA

SATURDAY, FEB. 12th

SHOW 10:00 A. M. — **SALE** 1:00 P. M.

40 TOP BRED GILTS — 6 GREAT FALL BOARS

The cream of the crop, selected with care from the leading herds of Iowa. They are outstanding individuals, modern type, with style, type and merit. Sired by great herd boars and mated to some of the top boars of the breed. Good fall boars . . . they will please. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

Fred W. Morgan, Secy., 5801 College Ave., Des Moines 11, Iowa

Quality Tamworth Hog Sale

Mississippi Valley Fair Grounds

DAVENPORT, IOWA, MON., FEB. 7th

Starting at 12:00 Noon

65 HEAD

40 Spring Gilts, 20 Fall Gilts, 5 Tried Sows

A grand offering from two **TOP** herds, sired by **MEADOWBROOK BREED BUILDER, CITATION, WALTZ ROVER** and **MOUNTAIN MODERN PRINCE,** a boar imported from England. We are offering the 1954 first prize Junior yearling at Iowa, 2nd prize Fall Gilt at Iowa and others of like merit. Bred for early February and March and mated to **G. R. BIG START 3rd** 117485, **CEDAR VIEW PRINCE** 116900, **G. R. VIOLET COL.** and **S. L. GENERAL IKE 2d** 12167. Our herds have won more prizes at leading Fairs and Barrow shows than any herds. Breeding at its best. Plan to attend or send an order.

PAUL PAETOW, Andover, Iowa — **HAROLD ECKERMANN, Davenport, Iowa**

SAFETY FIRST!! Do your buying from firms advertising in Wallaces' Farmer and Iowa Homestead. If you do not find in Wallaces' Farmer and Iowa Homestead the articles you want to buy, just let us know what you want and we will be glad to give you names of reliable firms.

DUROC

TOPS IN GROWTH IMPULSE!! BRED SOW SALE

FARMERS BUY MORE DUROCS THAN ANY OTHER BREED

SEASON IS HERE

Write for free catalogs and information on the more than 75 public Duroc bred sow auctions being held this winter. Remember more than one-third of all swine recorded in the United States in 1954 were purebred Durocs.

Free Literature Available

Write today for a copy of our breed publication, DUROC NEWS, and for literature giving the complete information on Durocs. Send for entry blanks for the National Picture Judging Contest.

United Duroc Record Association

Duroc Bldg. (Room 90) — Peoria, Illinois

DUROCS GROW FASTER ON LESS FEED

Royally Bred Durocs

Sale at farm 2 mi. N. 1 mi. E. of

RENWICK, IOWA

WEDNESDAY, FEB. 9th

Starting at 1:00 P. M.

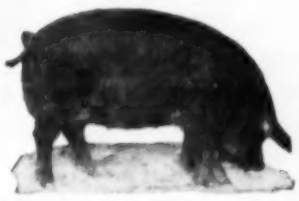
60 OF THE BEST GILTS TO SELL THIS YEAR

Also several Top Fall Boars and Gilts

A grand offering selected from over **100** head and one of the long-established herds of the breed where top quality **DUROCS** have been produced for years. Bred, fed and raised to make Brood sows. We averaged **9** pigs per litter from 31 sows farrowed. All well-grown, the proper **MEAT-TYPE,** with breeding and quality. Sired by **OAKDALE PEACEMAKER,** 1953 Iowa Reserve Grand Champion; **OAKDALE MODERATOR, PIONEER PROUD ACE** and **OHIO C. ACE,** 1953 Ohio Reserve Grand Champion. Mated to **OAKDALE PEACEMAKER, OAKDALE MASTER STAR,** 1954 Minnesota Reserve Champion; **OAKDALE MODERATOR** and **OAKDALE C. ACE.** You will find the best here. They will please. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

W. H. HELMKE & SONS — **RENWICK, IOWA**

Calara Farms Quality Durocs



at farm 2½ miles northwest of

THORNTON, IOWA

FRIDAY, FEB. 11th

Starting at 1:00 P. M.

60 CHOICE BRED GILTS

An excellent offering, well-grown, the true **MEAT-TYPE.** They have length, smoothness and quality. Most all bred to **SMOOTH QUALITY,** 1954 Champion at National Barrow Show, Austin, Minn. A few bred to **CALARA OFFICER.** We feature the Junior champion at North Iowa Fair, a daughter of 1953 Iowa State Fair Grand champion sow and Bred Nov. 3rd—an early litter. Also a top daughter of **KLEEN KUT,** mated October 28th. Choice gilts, bred to a great boar, for Breeder, Farmer or Commercial producers. Ask now for **FREE** Catalog. Kindly mention this publication. Address

JOE DUEA, THORNTON, IOWA

KLINGAMAN'S DUROC JERSEY SALE

At farm, 2 miles south on No. 63

Waterloo, Iowa, Thurs., Feb. 10

55 CHOICE SPRING GILTS, 5 FALL BOARS

Choice, well-grown, modern type, sired by **TEN STRIKE,** 1st prize at Minnesota, and **LONG MASTER.** Bred for February and March litters to **CHOICE TOPPER,** 1954 popular Wisconsin Junior Champion. All well-grown, the genuine **MEAT-TYPE** Durocs. We bred, raised, fitted and exhibited Champion Pen of **DUROC** Barrows at **NATIONAL BARROW SHOW 1954. BRUCELLOSIS TESTED** and **GUARANTEED.** Ask for **FREE** catalog.

E. W. KLINGAMAN & SON, Rt. 1, WATERLOO, IOWA

IOWA TAMWORTH ASSOCIATION

— BRED SOW SALE —

Held at Ankeny Sale Pavilion, just north of Des Moines

ANKENY, IOWA, WEDNESDAY, FEBRUARY 16

Choice gilts, well-grown, with type, merit and quality. Rich in breeding and mated to Top Herd Boars. Offering BANGS free. Attend this sale of Quality **Tamworths.** Ask now for **FREE** catalog. Kindly mention this publication. Address

T. H. BOWERS, Secretary, MALCOM, IOWA

FEED **KENT**

FRED ROBERTS SAYS:

SATISFACTION IS GUARANTEED with the KENT Pork Making Program! Feed 35% Pig & Sow to your bred sows. Feed new Hi-Cal (high calorie) Kent Pig Nuggets to your pigs.

"THE FEED WITHOUT A FILLER"

HOMEPLACE EILEENMERE 687th

Visitors Always Welcome
At the Home of the

Homeplace Eileenmeres

At two National Shows during the past year, Penney & James exhibited 22 blue ribbon winners, 7 Champions, best 10 head at both shows, and the winning get of sire at both shows on the get of HOMEPLACE EILEENMERE 687th.

Annual Production Sale — February 7th

PENNEY & JAMES

HAMILTON, MISSOURI ORLIN L. JAMES, Mgr.

ABERDEEN ANGUS

Angus heifers make SUPERIOR MOTHERS

Less calving trouble

Angus heifers have less calving trouble, for Angus calves have smaller, polled-shaped heads. Gives you more calves to sell.

Give more milk

Angus cows are alert, aggressive mothers . . . provide more milk for their calves. Gives you bigger calves to sell. Be ahead! Build an Angus herd! Buy Black heifers!

American Angus Assn., Chicago 9, Ill.

M. B. ANGUS FARMS

PRINCE QUALITY OF SUNBEAM

His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls, **BAR QUALITY M. B.** by Prince Quality of Sunbeam, **RAGNA'S PRINCE ERIC 21st** by RLS Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S. W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on 35.

MAAS BROS., RIVERSIDE, IOWA
Meredith, Meredith, Jr., and Donald

KEMP'S ANGUS

Offering a group of heifers that will make foundation females. 9 bred heifers—9 March, April and May open yearlings—8 fine coming yearlings in September and October. Sired by **ERIC EILEENMERE W. B.,** grandson of Eileenmere 487th. Many show winners have originated from our herd. If you are looking for the best here they are. Also some good young bulls to select from. Come look them over.

I. E. KEMP **MARION, IOWA**

— EIL'TONIER ANGUS —

HERD SIRES:

WINTONIER OF DEN-MOR

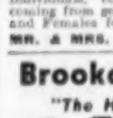
Wintonier of Dem-Mor, top son of 1941 International Grand Champion.

Shadow Isle Prince Eric 127th, son of Prince Eric of Sunbeam and ½ brother of three International Grand Champions. We strive for top notch individuals, combined with outstanding pedigrees, coming from good families. Priced reasonably. Bulls and Females for sale at all times.

MR. & MRS. HAROLD E. EILER, Tipton, Iowa

Brookdale Angus Farm

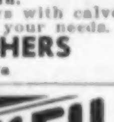
"The Home of The Baldoliers"



BARON OF BORDULAC by **GENERAL OF BORDULAC** and **PRINCE BARDOLIER** head our richly bred herd of **BANDOLIER** females. Breeding that is producing some of the breed's best cattle. Visit our farm.

John W. Auman & Son, Marion, Iowa
Farm 9 mi. north of Cedar Rapids on Highway 150

HOMELAND



Now offering a nice selection of 1953 Heifers and Bulls. All popular families and sired by our proven Herd Bulls, headed by R. L. S. PRINCE ERIC 18th. Can also spare some cows with calves at foot. See us or write your needs.

MEIER BROTHERS
Melbourne, Iowa

FEED **BOW-KEY** FEED
DES MOINES · · · · · IOWA

ABERDEEN ANGUS

PINEHURST ANGUS

"The Original Home of Bandoliers"

These top sires

BANDOLIER 61 OF PINEHURST
By Bandolier Belmar 53rd

BANDOLIER 4th OF BATES
By Bandolier of Prospect 2d

Mated with 75 outstanding breeding cows. Young bulls, bred and open heifers for sale.

HENRY SCHMUCKER & SONS
Amana, Iowa
Farm 3 miles north of Amana on No. 149

HEREFORDS

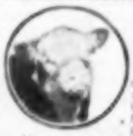
SKOW'S STOCK FARM

Horned Hereford Bulls, serviceable age. Also open heifers. Calfhood vaccinated for bangs. Sired by **TH LARRY ONWARD 35th** 6745189, son of Thorp's famous MW Larry Onward 13th. Reasonable.

JOSEPH A. SKOW WESLEY, IOWA

POLLED HEREFORDS

POLLED HEREFORDS



We have some strong aged bulls ready for heavy service for sale and a fine lot of young bulls coming on for both breeders and farmers. One of the breed's best known herds.

Headed by: **BATTLE MIXER, P. ANXIETY ASTER.** Come look them over.

P. M. CHRISTENSEN & SON, LONE ROCK, IA

CURRAN POLLED HEREFORDS

For Immediate Sale

Choice Herd Bull prospects by CSF CHOICE DOMINO 2d. Herd federally accredited, all females officially calfhood vaccinated.

Curran Stock Farm, Mason City, Iowa

WESTHAVEN PLACE

WP Conqueress 44th

Breeding stock, both bulls and females, all ages, for sale at all times.

HERD BULLS
CAPTAIN PLATO 61st
MCV DOMINO
GPH PLUS PERFECT 4th
WP CONQUEROR 30th

Always welcome at our farm.

WESTCOTT BROS. **DENISON, IOWA**

DAY POLLED HEREFORDS

Breeding Stock for Sale. **SIRES IN SERVICE: CMR MISCHIEF DOMINO,** by CMR Rollo Domino 12th; **MODEST O. LAMPLIGHTER 7th.**

ERNEST DAY & SONS GRIMES, IOWA
10 miles northwest of Des Moines

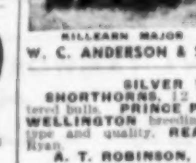
SHORTHORNS

Good rugged Shorthorn bulls ready for service, heavy boned with lots of substance by IMP. BEAUFORT BAYARDO and IMP. LAWTON PRIAM.

BEN G. STUDER, WESLEY, IOWA

LAWTON PRIAM
"The bull we couldn't do without"

MODERN TYPE SHORTHORNS



KILLEARN MAJOR

Buy the blood of champions

N-BAR-PRINCE International Grand Champion

KILLEARN MAJOR The sire of champions in the strongest competition. Quality breeding stock available.

W. C. ANDERSON & SON, West Liberty, Iowa

SILVER VALE FARM

SHORTHORNS, 12 good rugged yearling Registered bulls. **PRINCE PETER** and **CRUGGLETON WELLINGTON** breeding. Rich breeding, pleasing type and quality. **REASONABLE.** Phone 2694-Ryan.

A. T. ROBINSON, MASONVILLE, IOWA

POLLED SHORTHORNS

SHADYBROOK FARMS

The place to buy that better Polled Shorthorn bull for less money, with that extra weight for age. Sired by our two herd bulls that weigh well over a ton each.

BERT A. HANSON, VERNON CENTER, MINN.
Farm 30 miles north of Iowa line on U. S. 169

POLLED SHORTHORN BULLS

10 choice bulls for sale, **6** to **20** months old by **HIGHLAND EXCELLENCE** and **CEDARVALE SENSATION.** REASONABLE.

B. B. HUDSON & SONS KNOXVILLE, IOWA

POLLED SHORTHORNS

POLLED SHORTHORNS

Collynie Banker 20th

Choice coming yearling bulls by **COLLYNIE BANKER 2nd** and **COLLYNIE BANKER 20th,** sons of Collynie Banker. Well-grown modern type with quality. Price to sell.

FRANK DEMPSTER & SON
ARLINGTON, IOWA

DAIRY CATTLE

Notice—Dairy Calves. If calves are shipped or delivered on approval, full responsibility is assumed when purchaser accepts delivery. Remember calves are young, some are small, which must be considered when buying.

LIVESTOCK FOR SALE

Saddle Horses—young registered.

American Saddle mares.

Dairy bulls—Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey.

ANIMAL HUSBANDRY DEPARTMENT
Iowa State College **Ames, Iowa**

HOLSTEIN and GUERNSEY

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Registered cow herd at **Private Treaty,** around March 1st. Choice Heifer Calves, Yearlings, Bred Heifers and 2nd Calf Heifers. Herd sire, **V. B. ROAMER LIEGE,** stood next to Grand Champion Bull at 1953 Iowa State Fair. Rich breeding, good production. Priced to sell. Act now.

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Choice registered Bull 14 months old. Dam 305-2X-530-lbs. fat, 12,690-lb. milk DHIA records. Great grandam TEXAS CENTENIAL JANE Reasonable

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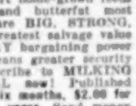

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YORKSHIRE

Bred Gilt Sale

Wells Sale Pavilion
FREMONT, NEBRASKA
TUESDAY, FEBRUARY 22nd
40 HEAD

Choice well-grown gilts, rich in pedig[ree] and mated to Top Herd Boars. Best quality. They will please. Plan to atte[nd]. Ask for FREE catalog. Kindly menti[on] this publication. Address

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Arlington, Nebraska

YORKSHIRE

EVENT OF YEAR
23RD SALE

Baty Sale Barn, 7 miles north on Route No. 29
Peoria, Ill., Thur., Feb. 10th

TYPE CONFERENCE — 10:30 A. M.

Moderated by outstanding International author of Yorkshires, Prof. R. G. Knox, Ontario Agricultural College, Guelph, Ontario.

SALE — 1:00 P. M. — 50 BRED GIL[TS]

Featuring Imported English Breeding. Same bl[ood] lines as our 1954 Show Herd, which won Supre[me] Exhibitor Award at Illinois and Wisconsin St[ate] Fairs. Gilts will farrow in February and Mar[ch]. 10 Outstanding Young Boars. Plan to attend b[oth] events. Ask for FREE catalog. Phones 2-5844 5-8541.

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BOB BARTHOLOMEW, Owner

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In new building on farm 2 miles west Sioux City on Hwy. 20—near

DAKOTA CITY, NEBR.,
THURSDAY, FEB. 17th
Starting at 1:00 P. M.
50 HEAD

Choice registered well-grown sows a[nd] gilts, rich in breeding and mated to Gre[at] Herd Sires. Plan to attend. Ask f[or] FREE catalog. Mention this publication.

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IOWA Hereford Hog Assn.

To be held in 4-H Building
BOONE, IOWA, FEB. 1[...]

SHOW—10:00 A. M. SALE—1:00 P. [M.]

30 BRED GILTS
10 FALL BOARS AND GILTS

The tops consigned from the leadi[ng] breeders of Iowa. All well-grown, mode[rn] type, rich in breeding. Mated to top he[rd] sires. Plan to attend. Ask for FREE ca[t]alog. Kindly mention this publicatio[n]. Address

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Honey "B" Farm, Blair, Nebraska
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— OUR ADS ARE NEWS —

Alfalfa Beats Red Clover As Soil Builder

Alfalfa can put twice as much tilth-building organic matter into the soil and gets it down five to six times deeper than does red clover, reports the Middle West Soil Improvement Committee, in citing a recent statement by C. M. Linsley, University of Illinois soils specialist.

Alfalfa produced more than four tons of roots in Wisconsin tests, compared to slightly over two tons by red clover, Linsley said. Both legumes were seeded in April and the root yields measured in October the following year. Bromegrass yielded over four tons of roots per acre, while timothy grew only 1¾ tons.

Virtually all of the red clover and timothy roots were found in the top eight inches of the soil, whereas only half of the alfalfa and brome roots were in this layer. The rest of the alfalfa roots reached down as far as four feet and the bromegrass roots nearly three feet.

"Alfalfa's deep-growing roots are a prime asset in droughty weather," says the committee. "Alfalfa can reach down into the subsoil to use water and plant nutrients that red clover roots can't reach. Illinois tests showed that alfalfa made a crop in the past two dry seasons, when other legumes failed.

"Another advantage is that the deep-probing alfalfa roots add organic matter all the way from the surface down into the subsoil. This improves fertility, structure and drainage.

"To build heavier, soil-enriching roots as well as higher-yielding top growth alfalfa has to be well fed. Alfalfa uses up big amounts of phosphate and potash. A top of alfalfa will draw from the soil upwards of 15 pounds of phosphate and 45 pounds of potash. So a good supply of each is needed to get the crop well established and make high yields. And once the stand is vigorously established, it is important to meet its year-by-year nutrient needs by top dressing regularly with fertilizer."

Fertilizer Boosts Net Returns

Extra "dividends" of as much as $53 per acre, can come from feeding your corn crop enough plant food to produce higher yields, reports the Middle West Soil Improvement Committee.

The committee cites cost records on two fields. One produced 48 bushels of corn per acre; the other 106 bushels.

Fixed costs averaged $31.66 on both fields. That included plowing, discing, harrowing, cultivating and spraying.

On the field averaging 48 bushels of corn per acre, only $10 extra was spent for seed, fertilizer, harvesting and interest. But on the 106-bushel field, an additional $33.50 was invested. Of this, extra fertilizer represented about $30.50 per acre. The remainder included expenditures for more seed, extra harvesting cost and higher interest on the investment.

"Figuring corn at $1.50 per bushel," says the committee, "the 48-bushel field was worth $72—leaving a net profit of $29.52 after the overall production costs of $42.48 were met. The 106-bushel yield returned a gross of $159. The net profit was about $83 per acre after deducting total production costs of $76 per acre.

"Thus the extra investment in fertilizer increased profits by $53 per acre."

Atrophic Rhinitis Control Plans

Three measures for controlling atrophic rhinitis, a disease which has taken a heavy toll among swine in recent years, were suggested at the American Veterinary Medical Association convention.

Dr. William P. Switzer of Iowa State College said the following control plans have proved effective in varying degrees:

Depopulating the farm of all swine for three or four months and then replacing with pigs known to be free of the disease.

Placing sows in individual isolated spots for farrowing, and keeping both adult and young pigs separated from the rest of the herd until weaning, then separating the clean litters from those in which any signs of the disease appear.

Taking baby pigs from the dam within twenty-four hours after farrowing and rearing them in isolation, the surest but least practical method.

The last-named plan in particular has been successful in experimental programs, Dr. Switzer said. Some 75 litters from herds in which atrophic rhinitis was present were raised according to this program, and none of the litters developed the disease.

Dr. Switzer also emphasized the importance of disease-free breeding stock in controlling the ailment.

Consumers like butter because it tastes better and has a better texture, according to research sponsored by the American Dairy Association.

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DECORAH, IOWA

The **Holstein** dispersion of Peter Moret, Boyden, Iowa, Jan. 5 under the able management of Claude Wylam attracted one of the largest crowds of the season. The herd bull, Lot A, sold for $1,420 to Spies & Lein, Graettinger, Iowa. Lot five, a bred heifer, went at $700 to Eldon Anderson, Laurens, Iowa. Lot 36 cow sold for $455 to John Vermeer & Son, Boyden, Iowa. Lot 10 sow went at $490 to E. A. Marten, Rock Rapids, Iowa. Lot 17 cow sold for $560 to E. A. Martens, Rock Island, Iowa. The 44 females averaged $347.

Donald J. Bowman has been selected as field secretary and sales manager for the Missouri Polled Hereford Breeders Association. Mr. Bowman has had a wide experience in the livestock field. His address is Hamilton, Mo.

Brucellosis is estimated to cause a $58 million annual loss to the cattle industry.

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POLAND CHINA bred gilts with size, and quality. Bred for March farrow to outstanding boars. Priced right.
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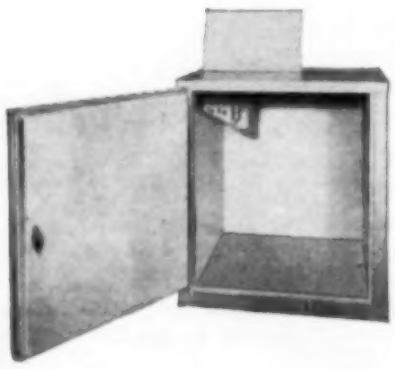
Food saw is said to solve the problem of dividing packaged frozen foods. You don't have to let them thaw out. Cuts meats, vegetables, fish, or even meat bones with ease. Frozen Food Saw is introduced by G. M. Co. Manufacturing, Inc.



Cooler is made for foods requiring moderately low temperatures, including milk, ice cream mixes, vegetables, meat, etc. Two sizes, 19 and 24 cubic feet. One holds four 10-gallon cans; other holds six. Perforated shelves are optional equipment. Produced by Master-Bilt Refrigeration Manufacturing Co.

New features on loader include rubber mounting designed to minimize shock on front of tractor. Also shock slots that transfer shock to rear. And centralized reservoir for hydraulic system. Announced by Midwestern Industries, Inc.

Summer pigs were pictured on the Frank Miller farm, Grundy county, Iowa. Farmers produced 20 percent more June and July pigs than in 1953, according to the December Pig Crop Report.

What's Ahead...

SOYBEAN PRICES have been on dead center since harvest. Prices usually advance before now. Let's look at supply and demand factors.

Homer Hush

The 1954 crop was a record 343 million bushels. This total is 28 percent above the 1953 crop and 48 percent more than the 10-year average. The supply is very large.

On the demand side, livestock numbers are up. Exports were big up to January 1—28.2 million bushels compared to 23.6 millions a year before. Domestic and foreign demand for edible fats and oils is strong. Soybeans will have to replace some cottonseed products as the cotton crop was short.

EXPORT DEMAND seems to hold the key to future soybean prices when supply and demand factors are considered. This outlet is flexible. If exports continue at a good level, a price rise is probable.

Bean owners should remember: (1) Warm weather might bring a temporary increase in bean receipts as high moisture beans have to be moved; (2) a favorable crop prospect would weaken the bean market next summer, as acreage is likely to be high; (3) large holdings of beans by farmers are a threat to any bull market after it gets under way.

CATTLE MARKETINGS for this month, as reported to the Iowa Crop and Livestock Reporting Service, will be up two percent over last year, and 17 percent over the 1949-1953 average.

It's likely, however, that the supply of choice, well-finished cattle will remain relatively scarce this month and at least part of next. But the present wide price-spread between cattle grades will be narrowed as cattle now on feed get finish.

See page 16 for number of cattle on feed January 1 and a discussion of the cattle feeding situation.

HOG MARKETINGS in February, as indicated by Iowa farmers, will be 11 percent above last February's totals, but three percent under the five-year, 1949-1953 average.

A study of the December Pig Crop Report indicates a 20 percent increase in summer pigs for the nation. Many of these pigs will come to market in February.

Since last year's marketings were very low, the 11 or 20 percent increase will not make the total too much above average. But you can expect a buyer's market for hogs this February rather than the seller's market of the same month last year. There's nothing to indicate it will pay to feed hogs to heavy weights.

Around the Farm AND IN THE Feed Lot

by E. A. KELLOWAY

THE NATIONAL FARM INSTITUTE comes up in Des Moines in a couple of weeks—February 18 and 19—to be exact. With the theme "The Farmer and the Free Society," this is the 17th annual event sponsored by the Agricultural Department, Des Moines Chamber of Commerce. The tentative program lists participation by Harold Stassen, director of the U. S. Foreign Operations Administration; John H. Davis, former Iowan and former Department of Agriculture official now with Harvard University; Marvin McLain, Brooklyn, Iowa, farmer who now heads the Grain Division, Department of Agriculture; and, Mrs. Raymond Sayre, Ackworth, Iowa, member of Secretary Benson's advisory commission. Climaxing the meeting will be a talk by Attorney General Herbert Brownell.

A RECORD-SHATTERING 26 billion pounds of meat is expected by the American Meat Institute to be produced in 1955. Chairman of the Institute's board, J. M. Foster of Morrell at Ottumwa, indicates this would be half a million pounds more than the high reached last year. Foster says we have over 94½ million head of cattle and calves, about the same as on hand the start of 1954. The 1955 spring pig crop is expected to be between 2 and 5 percent bigger.

THE EARLY WEANING PROGRAM is the latest development for profit-minded swine producers. Walnut Grove customers who followed our recommended program in 1954: Raised an average of 1 to 1½ more pigs per litter; had 45 to 55-pound pigs at 8 weeks; at a maximum cost of $4.09 per pig. They saved 50 to 75 pounds in sow weight usually lost during lactation. Used less labor. Re-bred or sold sows sooner. Marketed hogs two weeks earlier. See your Walnut Grove representative now for complete information or write to me direct in Atlantic, Iowa.

ESTABLISHMENT OF a national hog disease research center is being urged by the American Veterinary Medical Association. President A. H. Quinn of Kansas City says cost of such a center would be returned to farmers 100 times over. He recently stated strong moves are underway to re-vamp the old federal hog cholera research center at Ames, Iowa, to house the new center.

RIVALING CHICAGO for first place in livestock receipts last year was Omaha. And although just 1 per cent under the "Windy City," the Omaha Livestock Foundation reports it regained title as the world's biggest cattle market. Total receipts last year were over 5¾ million head, more than 3.6 per cent over the previous year. Total value of the 1954 stock run at Omaha was 550 million dollars with the average day's business well above 2 million dollars.

A NEW DISCOVERY in baby chick feeding is announced by Walnut Grove after thorough tests. Corn flakes—just like you eat for breakfast—are ideal for chicks in supplying growth power. They are high in energy value and low in fiber. When crushed corn flakes were added to all the necessary vitamins, antibiotics, protein and minerals, Walnut Grove found that TWO pounds of this new complete starter in only FOUR weeks makes a ONE-pound bird! The new feed is called "4x4" Starter 241. It's built for chicks' tiny digestive systems which hold only so much—therefore need food which is extra nutritious, extra palatable and easily digestible. Feed "4x4" Starter 241 just as it comes from the bag.

"60 POUND PIGS AT 8 WEEKS" is the reason Howard Kayman, Elberon, Iowa, will tell you he likes his "4x4" Pig Program. Mr. Kayman raised 182 pigs to that record weight last spring. During the first four weeks, the pigs were fed "4x4" Pig Toasties. Then they received "Baby 4x4" and cracked corn, plus rolled oats. At five weeks of age, the pigs were weaned and put on "4x4" Hog Grower. Mr. Kayman used one-half ground corn and one-half ground oats with 200 pounds of "4x4" Hog Grower to ton of total ration. He also gives the pigs Walnut Grove for Hogs, realizing that hogs need additional mineral. Here's proof of what good management and proper nutrition can do.

DO YOU HAVE A QUESTION ABOUT STILBESTROL? If you do, get the straight facts about this powerful new growth stimulant now in "4x4" Beef Supplements. Find out how to increase beef gains 15% to 33%. Cut feed costs as much as 20%. Get the benefit of Walnut Grove's experience with over 550 head of cattle fed "4x4" containing Stilbestrol. Don't be confused by rumors. Stilbestrol has no bad effects on hogs following cattle or on yield or packer buyer grades. It does mean more beef at lower cost, so get the free literature and questions and answer folder which your Walnut Grove representative has. Or write direct to Robert Anderson, Nutritionist, at Walnut Grove.

A GOOD REASON for having seed tested for germination is given by a staff member of the Seed Testing Laboratory at Ames. Louis Bass, in charge of germination tests, said in the past three years, about 20 per cent of all oat seed samples tested were unfit to plant. About a fourth of clover seed samples germinated so low that increased rates were necessary to insure good stands. With spring planting ahead, Bass reminds farmers that much time, effort and money can be wasted by planting poor germinating seed.

HATS OFF to winning counties in the 12th annual Rural School Fire Prevention contest. Announced in Des Moines recently as winners are Jackson county first, Boone second and Poweshiek and Wayne Counties tied for third. This was the third consecutive year Jackson County placed first in the contest and received the $100 first prize. Entries were judged on accomplishments such as farm inspections for fire hazards, putting on programs stressing fire prevention, etc.

INSULATION OF laying houses can bring two benefits says W. R. Whitfield, extension poultry specialist at Iowa State College. They are higher egg production and less labor. Also, the insulated houses are easier to keep clean because temperature changes aren't so great. The cold weather we're likely to have this month also prompts a reminder on keeping water available at all times, not only for chickens but for livestock as well.

THE WAY IT SOUNDS farming some day may be greatly different. The development of solar energy fertilizing techniques has been announced by a California scientist. The agents are air, sun and tiny algae. Dr. Daniel Arnon stated a blue-green type of algae deriving energy from the sun has been found to have great ability to take nitrogen out of the air and pass it on to growing crops. Our age is the first in history, he said, in which it's possible to entertain hopes of growing food crops without soils.

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"14 GRO-COATED Plants to Square Foot vs. Only One or Two in non-Gro-Coated," Reads Mr. Herbert Wilson's letter—

"I am farming at the present time 220 acres at Redfield, Iowa. I follow a regular corn and legume rotation plan and don't believe anything is as good for the land as a good crop of Red Clover plowed under.

"Last year I planted Gro-Coated Brand and non-Gro-Coated Red Clover and can truthfully say I was amazed at the difference. I had a good chance to compare it because I ran out of Gro-Coated Red Clover and finished the last five acres with home grown seed.

"You should have seen the difference. I had heard so much about Gro-Coated seed that I wanted to see the actual difference. I filled one-half of my drill with home grown seed and other half with Gro-Coated. When the seed came up I had easily 15% more plants from the Gro-Coated seed than I had on the home grown. Gro-Coated seed incidentally cost me $24.00 and the home grown seed which looked to be of excellent quality and was good grade cost me $19.00 a bushel.

"In looking at the second year's growth I just don't have any Clover in the non-Gro-Cated part of the field, so it was just money thrown away. The Gro-Coated acreage is beautiful, about 14 mature plants per square foot while the non-Gro-Coated Clover has only one or two plants to the square foot. I will take a big hay crop, and have an abundance of second growth to plow under this fall.

"The Gro-Coated Brand clover came up quicker and just walked away from the home grown clover in growth. I know the Gro-Coated seed cost me a little more money initially but I am not much concerned about that. You see when I buy seed I am buying a crop and I don't think there is any expenditure that I can make that will give me the return that I get from Gro-Coated Brand seed."

HERBERT WILSON, Redfield, Iowa

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RED CLOVER $36.45 Bu.
Northern grown seed. Good color. Contains about 1 lb. to 1¼% crop seed. 98% pure red. Germination 75%, which will produce a good stand as it contains more seeds per pound than average. Shipment GRO-COATED absolutely satisfactory. Return anything that does not please for full cash refund. GRO-COATED.

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The newest, extra hardy, wilt resistant Alfalfa
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Contains approximately 50% Mammoth Red Clover and 50% Sweet Clover. Tremendous yielder. Wonderful for building soil fertility quickly. Excellent to mix with other grasses for pasture. Carries a lot of stock per acre. GRO-COATED Brand. Shipment guaranteed satisfactory.

RED CLOVER $40.50 Bu.
Medium Red Clover mostly Idaho-grown, 97% pure Red Clover. Contains around 2½% crop seed, mostly Alfalfa with a trace of Sweet. 85% germination. All hardy origin seed. An extra value at this very low price. All GRO-COATED Brand. This is extra nice seed. Order Let "W".

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Contains 50% Legumes, Red Clover, Alsike, Alfalfa and Ladino, balance Timothy. One of our biggest sellers. 8 to 10 lbs. sows an acre. Cleaned — GRO-COATED — Excellent for meadow or pasture. A real value for less than 40c per pound. Please order early.

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